

**EL DORADO COUNTY
ENVIRONMENTAL MANAGEMENT DEPARTMENT
EL DORADO COUNTY AIR POLLUTION CONTROL DISTRICT
MEMORANDUM**

TO: Dennis Otani & File for Tahoe Asphalt Permit Files
FROM: Patrick Tedeschi *(Signature)*
DATE: August 29, 2001
CC: Brenda Douglass

SUBJECT: Annual Inspections at Tahoe Asphalt (TA)

On 8/06/01, I went to TA to conduct an annual inspection of their equipment and an A/C inspection of their batch plant (see inspection forms dated 8/06/01 for further details). I conducted visible emission observations of all the equipment in operation, I reviewed permit conditions, I reviewed maintenance records, and I reviewed their process records. I observed the changes referenced in A/C #08-167-01 had been completed. I observed TA to be in compliance with the conditions on their permit and with all applicable District Rules, except for the following deficiencies.

1. I observed TA wasn't maintaining daily records of their engine's operating hours as required by condition 19 and they failed to maintain monthly records of the engine's fuel usage as required by condition 20 (permit #15-1123-01). I issued NTC #1129 for the permit condition violations. On 8/24/01, the District received a signed yellow copy of NTC #1129 indicating TA was in compliance with NTC #1129.
2. I observed TA didn't have current daily production records for their aggregate plant as required by condition 16 and they didn't have the meter installed that measures the production of the aggregate plant as required by condition 18 (permit #05-657-01). The meter broke and they had to send it away for repairs. I included these violations on NTC #1129. On 8/24/01, the District received a signed yellow copy of NTC #1129 indicating TA was in compliance with NTC #1129.

The following tables indicate throughput information I obtained from TA for the Asphalt batch plant and the aggregate plant for the year 2000. The information indicates they are in compliance with their throughput limits.

Aggregate Plant

Year	1 st Qtr Thru-put	2 nd Qtr Thru-put	3 rd Qtr Thru-put	4 th Qtr Thru-put	Total for Year
2000		14373 tons	28079 tons		

Asphalt Batch Plant

Year	1 st Qtr Thru-put	2 nd Qtr Thru-put	3 rd Qtr Thru-put	4 th Qtr Thru-put	Total for Year
2000					40,399 tons

Recommendation:

I recommend that AC #08-167-01 be converted to a permit to operate.

Memos/tahoeasphalt1

*See Folder #2
for more details*

**EL DORADO COUNTY
ENVIRONMENTAL MANAGEMENT DEPARTMENT
EL DORADO COUNTY AIR POLLUTION CONTROL DISTRICT
MEMORANDUM**

DATE: September 9, 1999
TO: Tahoe Asphalt Files
FROM: -Louis Dinkler *LDD*
SUBJECT: Fugitive Dust Complaint

At 0915 hours on September 8, 1999, the District received a complaint against the Tahoe Asphalt facility located in South Lake Tahoe. The complainant alleged excessive fugitive dust caused by the operation of a street blower in preparation for the application of a seal coating on the parking lot of Tahoe Asphalt. The complainant stated that the dust was so thick that he could not see across the street and that the dust was settling on his property.

At 1100 hours on September 8, 1999, I conducted an on-site investigation of the Tahoe Asphalt facility. I observed the following:

- Significant amount of dust emitted from the operation of a gasoline powered blower.
- Large plume of dust blowing off site toward nearby industrial businesses (see attached photo).
- Operator preparing rear parking lot for a fresh seal coating.
- Haul roads in moist condition, no dust emitted from heavy equipment traveling in yard.

At 1120 hours I spoke with General Manager Russ Crawford, who provided the following information:

- The blower is used to remove the fine dirt material from the parking lot before the seal coat is applied, the seal coat will not adhere to the surface if it is dirty.
- It is a standard industry practice to use a blower to clean a surface in preparation of the seal coat.
- The owner is attempting to improve the appearance of the facility before an open house luncheon is conducted the following week.

I proceeded to inform Mr. Crawford of the nature of my visit. He immediately instructed the laborer operating the blower to shut down the equipment. I advised him that a violation of Rule 223 Fugitive Dust had occurred and I issued a Notice of Violation. Mr. Crawford indicated that he would hand sweep the area rather than using the blower. I also hand delivered a letter from Dave Mehl. I left the facility at 1200 hours and contacted the complainant.



Tahoe Asphalt 9/8/99
Dust from blower

APCD COMPLAINT RECORD NO. _____
SOURCE PERMIT NO. _____

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 Fairlane Court, Placerville, CA 95667
Phone: (916) 621-6662

NOTICE OF VIOLATION

Date 9/8/99 Time 11:20

Name Tahoe Asphalt Phone No. 541-0133

Address 1104 Industrial Avenue

city (Redacted) South Lake Tahoe state CA zip 96158

Location Same as above

Did unlawfully; cause, permit, allow, maintain, the following offense:

- Burning on No Burn day - (Rule 303)
- Burning without proper permits - (Rule 302)
- Visible Emission - (Rule 202)
- Open fire in violation of A.P.C.D. Rule - (Rule _____)
- Upset, breakdown conditions not reported - (Rule 516)
- Violation of permit - (Rule _____)
- Phase I violations _____ (Tag Number)* (Rule 902)
- Phase II violations _____ (Tag Number)* (Rule 903)
- Other Fugitive Dust 223

Explanation of violation Significant dust observed from the operation of a blower in preparation for seal coating operation. Operator (Russ Crawford) mitigated the problem immediately by stopping the operation.

Issued by: Louis Dinkler title Air Quality Specialist

Signing this notice is not an admission of guilt.

X L Dinkler Title G.M

Notice issued by Certified Mail
NOTE: Air Pollution Control District is Enforcement Agency that assesses appropriate penalties.

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: August 23, 1993

TO: Russ Crawford
Tahoe Ashpalt, Inc.FROM: Virginia Huber, REHS
Tahoe Division ManagerSUBJECT: Use of Contaminated Soil with Asphalt Mix
Unocal Station #5170
2467 Lake Tahoe Blvd. South Lake Tahoe

The El Dorado County Environmental Management Department has reviewed the results of composite samples taken from soil generated during underground storage tank removal project at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 250 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL M. Bennett for V. Huber DATE 8-23-93
Solid Waste & Hazardous Materials

APPROVAL Michael J. Sogrito Jr Dennis O'Toole DATE 8-23-93
Air Pollution Control District

Post-it® brand fax transmittal memo 7671 # of pages ▶ 3

To	Debris Otani	From	M. Bennett
Co.		Co.	
Dept.		Phone #	
Fax #		Fax #	

August 18, 1993

Unocal Service Station No. 5170, South Lake Tahoe, California



TABLE 2
Analytical Results of Composite Soil Samples
from Stockpiled Soil
Former Unocal Service Station No. 5170
5467 Lake Tahoe Boulevard
South Lake Tahoe, California

Sample Number	Date	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylene	Organic Lead
* Gasoline Tank Pit, Dispensers and Product Lines							
S-0721-2A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1
S-0721-3A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1
S-0721-4A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1
S-0721-5A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1
S-0721-6A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1

Results in parts per million (ppm)

TPHg = Total petroleum hydrocarbons as gasoline

NA = Not analyzed

< = Less than the analytical detection limits



August 18, 1993

Unocal Service Station No. 5170, South Lake Tahoe, California

TABLE 3
 Analytical Results of Soil Samples from the
 Waste-Oil Tank and Fuel-Oil Tank Area
 Former Unocal Service Station No. 5170
 2467 Lake Tahoe Boulevard
 South Lake Tahoe, California

Sample Number	Date	TPHg	TPHd	TOG	Benzene	Toluene	Ethyl-benzene	Total Xylene
Waste-Oil/Fuel-Oil Tank Area								
#13 S-7-T4S	07/21/93	<1	<1	<100	<0.005	<0.005	<0.005	<0.015
#15 S-15-T4	07/22/93	<1	10	1100	<0.005	<0.005	<0.005	<0.015
#16 S-7-T3	07/22/93	<1	870	NA	<0.005	<0.005	<0.005	<0.015
#14 S-13-T4E	07/22/93	<1	91	2700	<0.005	<0.005	<0.005	<0.015
* Waste-Oil/Fuel-Oil Stockpiled Soil								
S-0721-1A-D	07/21/93	<1	NA	7700	<0.005	<0.005	<0.005	0.16
S-0721-7A-D	07/21/93	<1	NA	1700	<0.005	<0.005	<0.005	<0.015
Sample Number	Date	VOC	Total Cadmium	Total Chromium	Total Lead	Total Nickel	Total Zinc	
Waste-Oil/Fuel-Oil Tank Area								
S-7-T4S	07/21/93	*	0.4	0.4	1.8	3.3	60	
S-15-T4	07/22/93	*	0.4	2.3	1.6	3.2	11	
S-13-T4E	07/22/93	*	0.3	2.1	<0.5	3	11	
S-7-T3	07/22/93	*	NA	NA	NA	NA	NA	
* Waste-Oil/Fuel-Oil Stockpiled Soil								
S-0721-1A-D	07/21/93	**	<0.5	<5	18	<5	68	
S-0721-7A-D	07/21/93	NA	NA	NA	NA	NA	NA	

Results in parts per million (ppm)

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

TOG = Total Oil and Grease

VOC = Volatile Organic Compounds

NA = Not Analyzed

* = All analyte concentrations less than the laboratory detection limits used

** = All analyte concentrations less than the laboratory detection limits used
with the exception of pyrene at 0.35 ppm

< = Less than the analytical detection limits

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: 8/24/93
To: Tekar Asphalt
Attn: _____
Fax#: 541-1647
From: Mike Guzzetta

If there are problemss receiving this FAX,
please call Peggy Hogan (916) 621-6662.

FYT: Faxed copy to Ginger Huber, SLT

PAGE 1 OF 4
(INCLUDES FAX PAGE)

Thank You!!

EL DORADO CO ENV HLTH

TEL:1-916-642-1531

Aug 24 93

8:31

Transmit Confirmation Report

No. : 002
Receiver : 15411647
Transmitter : EL DORADO CO ENV HLTH
Date : Aug 24 93 8:31
Time : 00'44
Mode : Norm
Pages : 01
Result : OK

EL DORADO CO ENV HLTH

TEL:1-916-642-1531

Aug 24 93

8:29

Transmit Confirmation Report

No.	:	001
Receiver	:	15411647
Transmitter	:	EL DORADO CO ENV HLTH
Date	:	Aug 24 93 8:29
Time	:	01'47
Mode	:	Norm
Pages	:	03
Result	:	OK

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: 8/24/93
To: SFT, EM
Attn: Peggy Hogan
Fax#: _____
From: Mike Georgette

If there are problemss receiving this FAX,
please call Peggy Hogan (916) 621-6662.

PAGE 1 OF 4
(INCLUDES FAX PAGE)

Thank You!!

EL DORADO CO ENV HLTH

TEL:1-916-642-1531

Aug 24 93

Transmit Confirmation Report

No. : 003
Receiver : 15423364
Transmitter : EL DORADO CO ENV HLTH
Date : Aug 24 93 8:34
Time : 02'26
Mode : Norm
Pages : 04
Result : OK

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: August 16, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Various Sites (4) within City of South Lake Tahoe

*Dashed to Virginia Huber
Tahoe Asphalt 8/18/93*

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during monitoring well installation at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 5 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS
Solid Waste & Hazardous Materials

DATE 8/16/93

APPROVAL Dennis Gann
Air Pollution Control District

DATE 8/18/93

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX # (916) 542-3364

DATE: 8/16/93

TO: Air Pollution FROM: Ginger

ATTN: Dennis DEPT: Water

FAX: 1-642-1531 PHONE: X3451

If there are any problems in receiving this FAX, please call
(916) 573-3450.

Message:

PAGE 1 OF 4



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482
(707) 468-0401

CHEMICAL EXAMINATION REPORT

City of South Lake Tahoe
1700 40th Street
South Lake Tahoe, CA 96150
Attn: Bob Oltman

Date Printed
8/09/93

Page
2

Batch Number	Receipt Date	Client	Client P.O.	Send Via
93-0728-005	07/28/93 09:10	SLTAHOE	22558	Mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MDL	DILUTION
(Sample 2 Drums 6-10 Sample Wells -- continued)							
Ethylbenzene	EPA 8020	8/04	8/04/93	ND	ug/g	.005	
Xylenes	EPA 8020	8/04	8/04/93	ND	ug/g	.005	
TPH - Diesel	8015/MOD	8/05	8/05/93	16	ug/g	1	
TPH - Motor Oil	8015/MOD	8/05	8/05/93	340	ug/g	10	

MDL - Minimum Detection Limit ND - Non Detected
* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 8/09/93



alpha

Alpha Analytical Laboratories Inc.

860 Waugh Lane, H-1, Ukiah, California 95482

(707) 468-0401

CHEMICAL EXAMINATION REPORT

City of South Lake Tahoe
1700 "D" Street
South Lake Tahoe, CA 96150
Attn: Bob Oltman

Date Printed
8/09/93Page
1

Batch Number	Receipt Date	Client	Client P.O.	Send Via
93-0728-005	07/26/93	SLTAHOE	22558	Mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MDL	DILUTION
--	--------	-----------	-----------	--------	-------	-----	----------

Batch 93-0728-005 consisted of 2 samples and 14 Tests

Sample 1 Drums 1-5 Sample Wells
1700 "D" Street

Sample Type: Soil Sampled by: Bob Oltman Sampled: 7/23/93 09:00

BTXE-These detection limits are 3 times higher
than usual due to matrix interferences.

* Additional notes for this sample are printed at the conclusion of the Results Report.

TPH - All

TPH - Gasoline	GCFID/5030	8/02	8/02/93	11	ug/g	1
Benzene	EPA 8020	8/02	8/02/93	ND	ug/g	.015
Toluene	EPA 8020	8/02	8/02/93	ND	ug/g	.015
Ethylbenzene	EPA 8020	8/02	8/02/93	ND	ug/g	.015
Xylenes	EPA 8020	8/02	8/02/93	ND	ug/g	.015
TPH - Diesel	8015/MOD	8/05	8/05/93	22	ug/g	1
TPH - Motor Oil	8015/MOD	8/05	8/05/93	270	ug/g	10

Sample 2 Drums 6-10 Sample Wells
1700 "D" Street

Sample Type: Soil Sampled by: Bob Oltman Sampled: 7/23/93 09:30

GASOLINE-This is diesel quantified as gas.

TPH - All

TPH - Gasoline	GCFID/5030	8/02	8/02/93	1.1	ug/g	1
Benzene	EPA 8020	8/04	8/04/93	ND	ug/g	.005
Toluene	EPA 8020	8/04	8/04/93	.021	ug/g	.005

MDL - Minimum Detection Limit ND - None Detected

* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 8/09/93

EL DORADO CO ENV HLTH

TEL:1-916-642-1531

Aug 18 93 10:05

Transmit Confirmation Report

No. : 002
Receiver : 15423364
Transmitter : EL DORADO CO ENV HLTH
Date : Aug 18 93 10:05
Time : 00'47
Mode : Norm
Pages : 01
Result : OK

EL DORADO CO ENV HLTH

TEL:1-916-642-1531

Aug 18 93 10:04

Transmit Confirmation Report

No. : 001
Receiver : 15423364
Transmitter : EL DORADO CO ENV HLTH
Date : Aug 18 93 10:04
Time : 01 '29
Mode : Norm
Pages : 01
Result : OK

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: 8/18/93
To: Meijer
Attn: _____
Fax#: _____
From: Dennis Otani

If there are problemss receiving this FAX,
please call Peggy Hogan (916) 621-6662.

FAX: Faxed copy to Tahoe Asphalt.

PAGE 1 OF 2
(INCLUDES FAX PAGE)

Thank You!!

EL DORADO CO ENV HLTH

TEL:1-916-642-1531

Aug 18 93

10:07

Transmit Confirmation Report

No. : 003
Receiver : 15411647
Transmitter : EL DORADO CO ENV HLTH
Date : Aug 18 93 10:07
Time : 01'15
Mode : Norm
Pages : 02
Result : OK

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: 8/18/93
To: Dakota Asphalt
Attn: _____
Fax#: 541-1647
From: Dennis Otani

If there are problemss receiving this FAX,
please call Peggy Hogan (916) 621-6662.

FYI:
(Failed copy to George Huber SLT)

PAGE 1 OF 2
(INCLUDES FAX PAGE)

Thank You!!

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: August 16, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Various Sites (4) within City of South Lake Tahoe

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during monitoring well installation at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 5 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS
Solid Waste & Hazardous Materials

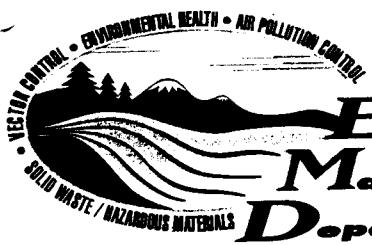
DATE

8/16/93

APPROVAL Dennis Starn
Air Pollution Control District

DATE

8/18/93



Environmental
Management
Department

August 6, 1993

Mr. Russell Crawford, Manager
Tahoe Asphalt Inc.
P.O. Box 40
Capitola, CA 95010

SUBJECT: REQUEST FOR DATA REGARDING USE OF PETROLEUM CONTAMINATED SOIL

Dear Mr. Crawford:

Per our discussion during the Compliance Inspection of your facility on July 28, 1993, the El Dorado County Air Pollution Control District is requesting data regarding the total quantity of petroleum contaminated soil processed through the asphalt batch plant for calendar year 1992. Please submit the information within 15 days of the date of this letter.

If you have any questions concerning this issue, please contact our office at 621-6662.

Respectfully,

Dennis Otani, Acting Supervisor
Air Pollution Control District

Michael J. Guzzetta
Michael J. Guzzetta, REHS
Air Pollution Control District

cc: Ronald D. Duncan, REHS, APCO
Virginia Huber, Manager, South Lake Tahoe

Peggy - FAX 8/5
Copy of letter
and lab results
to Tahoe Asphalt
and copy of letter
only to Marcy

D 1 E 96 ENV'T MGMT DEP

P. 02

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: August 4, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Sommermeir Property--Cascade Lake

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during the removal of underground storage tanks at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 20 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 8/4/93
Solid Waste & Hazardous Materials

APPROVAL Dennis O'Neil DATE 8/5/93
Air Pollution Control District

AU

4-93 WED 16 30 ENVT MGMT DEP

P. 01

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX (916) 542-3364

DATE: 8-4-93

TO: Dennis Otoni FROM: M. Burkett

ATTN: _____ DEPT: _____

FAX#: _____ PHONE: _____

If there are any problems in receiving this FAX, please call
(916) 573-3450.

Message:

Pls. Fax + Asphalt Plant
if you OK

Attn: Marci



ASSOCIATED LABORATORIES

808 North Batavia - Orange, California 92668 714/771-6900

FAX 714/538-1809

CLIENT Alpha Analytical, Inc.
 Attn: Linda/Randy
 255 Glendale Avenue
 Suite 21
 Sparks, NV 89431

(4398)

LAB NO

G57603

REPORTED

08/03/93

SAMPLE

Soil

RECEIVED

08/02/93

IDENTIFICATION

As Below

BASED ON SAMPLE

As Submitted

Sommermeier

Stockpile

excavation sidewalls

PED073093-01 PED073093-02 PED073093-03 PED073093-04

Total Hydrocarbons
 (TPH DH₈) (mg/kg)

-Diesel	1,850	720	1,300	3,650
---------	-------	-----	-------	-------

Benzene (mg/kg)

ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
-----------	-----------	-----------	-----------

Toluene (mg/kg)

ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
-----------	-----------	-----------	-----------

Ethylbenzene (mg/kg)

ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
-----------	-----------	-----------	-----------

Total Xylenes

(8020) (mg/kg)

ND< 0.015	ND< 0.015	ND< 0.015	ND< 0.015
-----------	-----------	-----------	-----------

Date Analyzed: 08/02/93

ASSOCIATED LABORATORIES, by:

Michael Chasnoff
 Edward B. Behare, Ph.D.
 Vice President

ESB/ql

NOTE: Unless notified in writing, all samples will be discarded
 by appropriate disposal protocol 30 days from date reported.

EL DORADO CO ENV HLTH

TEL:1-916-642-1531

Aug 05 93 11:21

Transmit Confirmation Report

No. : 003
Receiver : 15411647
Transmitter : EL DORADO CO ENV HLTH
Date : Aug 05 93 11:21
Time : 01 '49
Mode : Norm
Pages : 03
Result : OK

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: August 5, 1993
To: Tahoe Asphalt
Attn: _____
Fax#: 541-1647
From: Dennie Otani

If there are problemss receiving this FAX,
please call Peggy Hogan (916) 621-6662.

PAGE 1 OF 3
(INCLUDES FAX PAGE)

Thank You!!

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: August 4, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Sommermeir Property--Cascade Lake

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during the removal of underground storage tanks at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 20 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 8/4/93
Solid Waste & Hazardous Materials

APPROVAL Dennis Stan DATE 8/5/93
Air Pollution Control District



Attn: Marci

ASSOCIATED LABORATORIES

800 North Batavia - Orange, California 92868 • 714/771-6900

FAX 714/538-1809

CLIENT

Alpha Analytical, Inc.
Attn: Linda/Randy
255 Glendale Avenue
Suite 21
Sparks, NV 89431

(4398)

LAB NO

G57603

REPORTED

08/03/93

Sommermeier

Stockpile

SAMPLE Soil RECEIVED 08/02/93

IDENTIFICATION As Below

BASED ON SAMPLE As Submitted

excavation sidewalls

PED073093-01 PED073093-02 PED073093-03 PED073093-04

Total Hydrocarbons (TPH DHs) (mg/kg)				
-Diesel	1,850	720	1,300	3,650
Benzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
Toluene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
Ethylbenzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
Total Xylenes (#020) (mg/kg)	ND< 0.015	ND< 0.015	ND< 0.015	ND< 0.015

Date Analyzed: 08/02/93

ASSOCIATED LABORATORIES, by:

Michael Chapman

Edward S. Behare, Ph.D.
Vice President

E8B/ql

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

EL DORADO CO ENV HLTH

EL:1-916-642-1531

Aug 05 93 11:17

Transmit Information Report

No. : 001
Receiver : 15423364
Transmitter : EL DORADO CO ENV HLTH
Date : Aug 05 93 11:17
Time : 00:45
Mode : Norm
Pages : 01
Result : OK

EL DORADO CO ENV HLTH

TFL:1-916-642-1531

Aug 05 93 11:18

Transmit Confirmation Report

No. : 002
Receiver : 15423364
Transmitter : EL DORADO CO ENV HLTH
Date : Aug 05 93 11:18
Time : 00'46
Mode : Norm
Pages : 01
Result : OK

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: August 5, 1993
To: SLT - EM
Attn: Marcy
Fax#: _____
From: Dennis Otani

If there are problemss receiving this FAX,
please call Peggy Hogan (916) 621-6662.

PAGE 1 OF 2
(INCLUDES FAX PAGE)

Thank You!!

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: August 4, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Sommermeir Property--Cascade Lake

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during the removal of underground storage tanks at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 20 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 8/4/93
Solid Waste & Hazardous Materials

APPROVAL Dennis Stain DATE 8/5/93
Air Pollution Control District

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: 7/28/93
To: EM SIT
Attn: Mary
Fax#: _____
From: Mike Guglietta / Hogan

If there are problemss receiving this FAX,
please call Peggy Hogan (916) 621-6662.

Mary: Mike will deliver a copy of
the attached to Tahoe Asphalt
today as he has inspections in
SIT today.

PAGE 1 OF 8
(INCLUDES FAX PAGE)

Thank You!!

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: July 26, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Sierra At Tahoe (Sierra Ski Ranch)

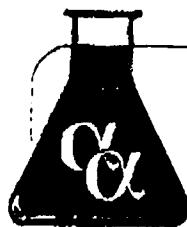
The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during the removal of underground storage tanks at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 60 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 7/26/93
Solid Waste & Hazardous Materials

APPROVAL Dennis Haan DATE 7-28-93
Air Pollution Control District



Sierra At - Tahoe

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21
Sparks, Nevada 89431
(702) 355-1044
FAX: 702-355-0406
1-800-283-1183

Boise, Idaho
(208) 336-4145

2810 W. Charleston, Suite G-7
Las Vegas, Nevada 89102
(702) 386-6747

ANALYTICAL REPORT

Sierra At Tahoe
P.O. Box 2511
South Lake Tahoe CA 96158

Job#:
Phone: (916) 544-2281
Attn: Frank Whittington

Sampled: 07/07/93 Received: 07/07/93 Analyzed: 07/09/93

Matrix: [X] Soil [] Water [] Waste

Analysis Requested: TPH - Total Petroleum Hydrocarbons-Extractable
Quantitated As Diesel

Methodology: TPH - Modified 8015/DHS LUFT Manual

Results:

Client ID/ Lab ID	Parameter	Concentration mg/Kg	Detection Limit mg/Kg
Test #1 /WHT070793-01	TPH (Diesel)*	140	10
Test #2 /WHT070793-02	TPH (Diesel)	ND	10
Test #3 /WHT070793-03	TPH (Diesel)*	470	50

50-60 yrs.

* - TPH components are in the range of weathered diesel and light oil.

ND - Not Detected

Approved By:

Roger S. Scholl
Roger L. Scholl, Ph.D.
Laboratory Director

Date: 7/12/93

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: July 26, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
South Tahoe Middle School

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during the removal of underground storage tanks at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 80 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 7/26/93
Solid Waste & Hazardous Materials

APPROVAL Dennis Ham DATE 7-28-93
Air Pollution Control District



FILE COPY

Alpha

Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

CHEMICAL EXAMINATION REPORT (707) 468-0401

Thomas Haen Company, Inc.
P.O. Box 8998
South Lake Tahoe, CA 95703

Date Printed
7/21/93

Page
1

Batch Number	Receipt Date	Client	Client P.O.	Send Via
93-0719-001	07/17/93 09:30	THOMHAEN		Mail

Batch Number	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MOL	DILUTI
93-0719-001							

Batch 93-0719-001 consisted of 3 Samples and 15 Tests

Sample 1 Middle School
East End Tank

Sample Type: Soil Sampled by: Tom Haen Sampled: 7/16/93

BTX®-These detection limits are 3 time higher
than usual due to matrix interferences.

* Additional notes for this sample are provided at the conclusion of the Results Report.

TPH Diesel W/BTXE

TPH - Diesel	8015/MOD	7/20	7/20/93	1500	ug/g	1
Benzene	EPA 8020	7/19	7/19/93	ND	ug/g	.015
Toluene	EPA 8020	7/19	7/19/93	ND	ug/g	.015
Ethylbenzene	EPA 8020	7/19	7/19/93	ND	ug/g	.015
Xylenes	EPA 8020	7/19	7/19/93	ND	ug/g	.015

Sample 2 Middle School

6' deep 10' off bldg under fill line

Sample Type: Soil Sampled by: Tom Haen Sampled: 7/16/93

Analysis of this sample also indicates the presence of
hydrocarbons higher in molecular weight than diesel.

TPH Diesel W/BTXE

TPH - Diesel	8015/MOD	7/20	7/20/93	1500	ug/g	1
Benzene	EPA 8020	7/19	7/19/93	ND	ug/g	.005
Toluene	EPA 8020	7/19	7/19/93	.02	ug/g	.005
Ethylbenzene	EPA 8020	7/19	7/19/93	ND	ug/g	.005

- >L • Minimum Detection Limit ND • None Detected
- Indicates Detection Limit altered due to Sample Dilution

TEST:

Bruce L. Gove
Laboratory Manager

Bruce L. Gove

L-23-93 FRI 15:00 LPHA ANALYTICAL LABS

P.03

*alpha*

Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

(707) 468-0401

CHEMICAL EXAMINATION REPORT

Thomas Haen Company, Inc.

P.O. Box 8998

South Lake Tahoe, CA 95703

Date Printed

7/23/93

Page

2

Batch Number	Receipt Date	Client	Client P.O.	Send Via
I-0721-003	07/21/93 09:00	TOMHAEN		Mail

METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MOL	DILUTION
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(continued from previous page)

Sample 3 South Tahoe Middle School-Stockpile

Sample Type: Soil Sampled by: Roy Van Winkle

Sampled: 7/20/93 12:35

Analysis of this sample also indicates the presence of hydrocarbons higher in molecular weight than diesel.

TPH Diesel W/STX#

TPH + Diesel	8015/MOD	7/21	7/21/93	1	11	1	ug/g	1
Benzene	EPA 8020	7/22	7/22/93	ND		ug/g		.005
Toluene	EPA 8020	7/22	7/22/93	ND		ug/g		.005
Ethylbenzene	EPA 8020	7/22	7/22/93	ND		ug/g		.005
Xylenes	EPA 8020	7/22	7/22/93	ND		ug/g		.005
Oil & Grease	9320D&F	7/21	7/21/93	1	225	1	ug/g	50

IDL = Minimum Detection Limit NO = None Detected

* = Indicates Detection Limit altered due to sample dilution

NOTES:

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: July 26, 1993

TO: Russ Crawford
Tahoe Ashpalt, Inc.

FROM: Virginia Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Kmart Facility #9153 (1030 Tata Lane)

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 5 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 7/26/93
Solid Waste & Hazardous Materials

APPROVAL Dennis Stein DATE 7-28-93
Air Pollution Control District

TABLE 1
ANALYTICAL RESULTS: SOIL SAMPLES

Kmart Facility #9153
1030 Tata Lane
South Lake Tahoe, California

Soil boring	Depth (ft.)	O&G (mg/Kg)	TPH-G (mg/Kg)	TPH-D (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethybenzene (mg/Kg)	Xylenes (mg/Kg)	VOCs (µg/Kg)
ESE-1	5	(17)	-	-	-	-	-	-	-
ESE-2	5.5	(20)	-	-	-	-	-	-	-
ESE-3	6	(10)	-	-	-	-	-	-	-
ESE-4	5.5	(10)	-	-	-	-	-	-	-
HP-1	5.5	-	-	-	-	-	-	<0.005	-
HP-2	5.5	-	-	-	-	-	-	-	-
	10.5	-	-	-	-	-	-	-	-
	21	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
HP-3	6	-	-	-	-	-	-	-	-
	10.5	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
	16	-	-	-	-	-	-	-	-
	21	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
HP-4	4.5	-	-	-	-	-	-	-	-
	10	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
	20	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
HP-5	5.5	-	-	-	-	-	-	-	-
	11	<10	-	-	-	-	-	-	ND
	16	-	-	-	-	-	-	-	-
	21	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND

LEGEND

O&G = Oil and Grease

TPH-G = Total Petroleum Hydrocarbons as Gasoline

TPH-D = Total Petroleum Hydrocarbons as Diesel

VOCs = Volatile Organic Compounds

< = Less than listed detection limit

mg/Kg = Milligrams per Kilogram

µg/Kg = Micrograms per Kilogram

-- = Not Analyzed

ND = Not detected at various detection limits (see Attachment B)

All samples collected by ESE on July 9, 1993.

COUNTY OF
EL DORADO

ENVIRONMENTAL MANAGEMENT DEPARTMENT

AIR POLLUTION CONTROL DISTRICT

ENVIRONMENTAL HEALTH DIVISION

SOLID WASTE & HAZARDOUS MATERIALS DIVISION



MAIN OFFICE:
2850 Fairlane Court
Placerville, CA 95667
(916) 621-5300

SOUTH LAKE TAHOE OFFICE:
3368 Lake Tahoe Blvd., #303
South Lake Tahoe, CA 96150
(916) 573-3450

June 3, 1993

167

Mr. Russ Crawford
Tahoe Asphalt
1104 Industrial Avenue
South Lake Tahoe, CA 96158

SUBJECT: Workshop On Proposed Draft Fee Rule For The Air Toxics
"Hot Spots" Information and Assessment Act

Dear Mr. Crawford:

The District has scheduled a workshop to discuss the proposed draft fee rule for the Air Toxics "Hot Spots" Information and Assessment Act. The fee rule is based on Option 5 which was the choice of the group at the last workshop held by the District.

This workshop is scheduled for June 17, 1993 at 10:00 a.m. in the Planning Commission Hearing Room of the Community Development Building, 2850 Fairlane Court, Placerville.

We have enclosed a copy of the proposed draft fee rule along with the material handed out at the March 5, 1993, workshop for your review.

If you have any questions regarding the enclosed material, please contact this office at (916) 621-6662.

Respectfully,

A handwritten signature in black ink, appearing to read "Ronald D. Duncan".

Ronald D. Duncan
Air Pollution Control Officer

Enclosures (2)

cc: Michael Guzzetta, REHS, APCD
Dennis Otani

c:hotspots.mtg

MEMO

A
167EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: July 26, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.FROM: Virginia L. Huber, REHS
Tahoe Division ManagerSUBJECT: Use of Contaminated Soil with Asphalt Mix
Sierra At Tahoe (Sierra Ski Ranch)

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during the removal of underground storage tanks at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 60 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 7/26/93
Solid Waste & Hazardous Materials

APPROVAL Dennis Ott DATE 7-28-93
Air Pollution Control District

7/28/93

- ① Michael dropping off a copy to Tahoe Asphalt today
② Sent a copy to Macay by FAX today - Hagen

7/28/93
9:45 AM

Sierra At Tahoe

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21
 Sparks, Nevada 89431
 (702) 355-1044
 FAX: (702) 355-0406
 1-800-253-1183

Boise, Idaho
 (208) 336-4145

2810 W. Charleston, Suite G67
 Las Vegas, Nevada 89102
 (702) 386-6747

ANALYTICAL REPORT

Sierra At Tahoe
 P.O. Box 2511
 South Lake Tahoe CA 96158

Job#:
 Phone: (916) 544-2281
 Attn: Frank Whittington

Sampled: 07/07/93 Received: 07/07/93 Analyzed: 07/09/93

Matrix: [X] Soil [] Water [] Waste

Analysis Requested: TPH - Total Petroleum Hydrocarbons-Extractable
 Quantitated As Diesel

Methodology: TPH - Modified 8015/DHS LUFT Manual

Results:

Client ID/ Lab ID	Parameter	Concentration mg/Kg	Detection Limit mg/Kg
Test #1 /WHT070793-01	TPH (Diesel)*	140	10
Test #2 /WHT070793-02	TPH (Diesel)	ND	10
Test #3 /WHT070793-03	TPH (Diesel)*	470	50

50-60 gal.

* - TPH components are in the range of weathered diesel and light oil.

ND - Not Detected

Approved By:

Roger L. Scholl, Ph.D.
 Laboratory Director

Date: 7/12/93

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: July 26, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.FROM: Virginia L. Huber, REHS
Tahoe Division ManagerSUBJECT: Use of Contaminated Soil with Asphalt Mix
South Tahoe Middle School

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during the removal of underground storage tanks at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 80 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 7/26/93
Solid Waste & Hazardous Materials

APPROVAL Dennis O'ham DATE 7-28-93
Air Pollution Control District



Alpha

Alpha Analytical Laboratories Inc.

860 Waugh Lane, H-1, Ukiah, California 95482

CHEMICAL EXAMINATION REPORT (707) 468-0401

Thomas Haen Company, Inc.
 P.O. Box 8998
 South Lake Tahoe, CA 95703

Date Printed
 7/21/93

Page
 1

Batch Number	Receipt Date	Client	Client P.O.	Send Via
93-0719-001	07/17/93 09:30	TOMHAEN		Mail

METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MOL	DILUTION
Batch 93-0719-001 consisted of 3 samples and 15 Tests						

Sample 1 Middle School
 East End Tank

Sample Type: Soil Sampled by: Tom Haen

BTEX - These detection limits are 3 times higher
 than usual due to matrix interferences.

* Additional notes for this sample are printed at the conclusion of the Results Report.

TPH Diesel W/BTEX

TPH + Diesel	8015/MOD	7/20	7/20/93	1400	ug/g	1
Benzene	EPA 8020	7/19	7/19/93	ND	ug/g	.015
Toluene	EPA 8020	7/19	7/19/93	ND	ug/g	.015
Ethylbenzene	EPA 8020	7/19	7/19/93	ND	ug/g	.015
Xylenes	EPA 8020	7/19	7/19/93	ND	ug/g	.015

Sample 2 Middle School

6' deep 10' of bldg under fill line

Sample Type: Soil Sampled by: Tom Haen

Analysis of this sample also indicates the presence of
 hydrocarbons higher in molecular weight than diesel.

TPH Diesel W/BTEX

TPH + Diesel	8015/MOD	7/20	7/20/93	1500	ug/g	1
Benzene	EPA 8020	7/19	7/19/93	ND	ug/g	.005
Toluene	EPA 8020	7/19	7/19/93	.02	ug/g	.005
Ethylbenzene	EPA 8020	7/19	7/19/93	ND	ug/g	.005

MOL = Minimum Detection Limit ND = None Detected
 * = Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
 Laboratory Director

Bruce L. Gove



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482
 (707) 468-0401

CHEMICAL EXAMINATION REPORT

Thomas Heen Company, Inc.
 P.O. Box 8998
 South Lake Tahoe, CA 95703

Date Printed
 7/23/93

Page
 2

Batch Number	Receipt Date	Client	Client P.O.	Send Via
93-0721-003	07/21/93 09:00	TOMHEEN		Mail

METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MDL	DILUTION
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(continued from previous page)

Sample 3 South Tahoe Middle School-Stockpile
 Sample Type: Soil Sampled by: Ray Van Winkle Sampled: 7/20/93 12:35
 Analysis of this sample also indicated the presence of
 hydrocarbons higher in molecular weight than diesel.

TPH Diesel W/STXZ								
TPH + Diesel	8015/MOD	7/21	7/21/93	1	11	1	ug/g	1
Benzene	EPA 8020	7/22	7/22/93	ND	ug/g	.005		
Toluene	EPA 8020	7/22	7/22/93	ND	ug/g	.005		
Ethylbenzene	EPA 8020	7/22	7/22/93	ND	ug/g	.005		
Xylenes	EPA 8020	7/22	7/22/93	ND	ug/g	.005		
Oil & Grease	9320D&F	7/21	7/21/93	1	225	1	ug/g	50

MDL = Minimum Detection Limit ND = None Detected
 * = Indicates detection limit altered due to sample dilution

NOTES:

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: July 26, 1993

TO: Russ Crawford
Tahoe Ashpalt, Inc.FROM: Virginia Huber, REHS
Tahoe Division ManagerSUBJECT: Use of Contaminated Soil with Asphalt Mix
Kmart Facility #9153 (1030 Tata Lane)

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during soil borings done at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 5 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 7/26/93
Solid Waste & Hazardous Materials

APPROVAL Denny Ham DATE 7-28-93
Air Pollution Control District

TABLE 1
ANALYTICAL RESULTS: SOIL SAMPLES

Kmart Facility #9153
1030 Tata Lane
South Lake Tahoe, California

SOIL Sample	Depth (cm)	O&G (mg/Kg)	TPH-G (mg/Kg)	TPH-D (µg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	CEU's benzene (mg/Kg)	Avg. Av./Kg (mg/Kg)	VOCs (mg/Kg)
ESE-1	5	17	-	-	-	-	-	-	-
ESE-2	5.5	20	-	-	-	-	-	-	-
ESE-3	6	10	-	-	-	-	-	-	-
ESE-4	5.5	10	-	-	-	-	-	-	-
HP-1	5.5	-	-	-	-	-	-	-	-
	10.5	-	<1	<5	<0.005	<0.005	<0.005	<0.005	-
HP-2	5.5	-	-	-	-	-	-	-	-
	10.5	-	-	-	-	-	-	-	-
	21	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
HP-3	6	-	-	-	-	-	-	-	-
	10.5	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
	16	-	-	-	-	-	-	-	-
	21	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
HP-4	4.5	-	-	-	-	-	-	-	-
	10	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
	20	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
HP-5	5.5	-	-	-	-	-	-	-	-
	11	<10	-	-	-	-	-	-	ND
	16	-	-	-	-	-	-	-	-
	21	<10	<1	<5	<0.005	<0.005	<0.005	<0.005	ND

LEGEND

O&G = Oil and Grease
TPH-G = Total Petroleum Hydrocarbons as Gasoline

TPH-D = Total Petroleum Hydrocarbons as Diesel

VOCs = Volatile Organic Compounds

< = Less than listed detection limit

mg/Kg = Milligrams per Kilogram

µg/Kg = Micrograms per Kilogram

-- = Not Analyzed

ND = Not detected at various detection limits (see Attachment B)

All samples collected by ESE on July 9, 1993.

JUL- 1-93 THU 13 46 ENVT MGMT DEP

P. 01

(B6)

626-7136

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX (916) 542-3364

DATE: 7-1-93

TO: Dennis OTani

FROM: M.A. Borrett

FAX#:

DEPT: _____
PHONE: _____

If there are any problems in receiving this FAX, please call
(916) 542-3450.

Message:

They want to take
FAX 25 tons
Mon & Today!

PAGE 1 OF 4

TATTOO ASPH. 74
FAX: 542-3364

JUL - 1-93 THU 1:46 ENV'T MGMT DEP
07/09/93 08:37 2 0947 DANNY WONG

P. 02

0061009



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Attention:	Mr. Brian E. Stack Switch Putter 274 Walter Hays Dr. Palo Alto, CA 94303	Date Sampled:	Apr. 22, 1993
		Date Received:	Apr. 22, 1993
		Date Analyzed:	Apr. 27, 1993
Sample #:	C.O.C. #1726	Project Name:	1030 Tata Lane South Lake Tahoe
Client ID:	B5-32	LAB ID:	ST93-94-354A
Matrix:	oil	Dilution:	

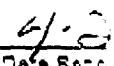
Name	Amount	Detection Limit	Units
Oil & Grease	220	50	ug/g

ppb = parts per billion = ug/kg = microgram per kilogram

ppm = parts per million = ug/g = microgram per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.


R. L. James, Principal Chemist


Date Reporter

SPARGER TECHNOLOGY ANALYTICAL LABORATORY IS LICENSED BY THE STATE OF CALIFORNIA

DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY

Cert. No. 1014

208 362 0947

DANNY WONG

E007 009



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Attention:	Mr. Brian E. Stack	Date Sampled:	Apr. 22, 1993
	Switch Putter	Date Received:	Apr. 22, 1993
	274 Walter Hayes Dr	Date Analyzed:	Apr. 27, 1993
	Palo Alto, CA 94303		
Project #:	C.C.C. #1725	Project Name:	1030 Fata Lane
Client ID:	B5-31	LAB ID:	South Lake Tahoe ST93-04-351A
Matrix:	Soil	Dilution:	

Name	Amount	Detection Limit	Units
Oil & Grease	940	50	ug/g

ppm = parts per million = ug/g = microgram per kilogram

ug/g = parts per billion = ug/g = microgram per gram

ND = Not Detected. Compound may be present at concentrations below the detection limit.


R. L. James, Principal Chemist

4/27/93
Date Reported

JULY 1-93 THU 13:47 ENV/T MIG/T DEP

F. 04

303 0047

DANNY WONG

303 008



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Mr. Brian E. Stack
Tom Putter
1000 Miller Hays Dr.
Folsom, CA 94303

Date Sampled: Apr. 22, 1993
Date Received: Apr. 22, 1993
Date Analyzed: Apr. 27, 1993

Sample #: C.D.C. #1725

Project Name: 1030 Tata Lane
South Lake Tahoe
ST93-94-2500

Q: 80.00

LAB ID:

At: 500

Dilution:

Name	Amount	Detection Limit	Upper
Oil & Grease	260	50	400

See accompanying Test Results for program diagram

See accompanying Test Results for program diagram

Note: Not Detected. Compound(s) may be present at concentrations below the stated limit.


Daniel Wong, Principal Chemist

4/27/93
Date Analyzed

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INCORPORATED
DEPARTMENT OF ANALYTICAL CHEMISTRY • 3050 RIVER Circle • Sacramento, California 95827

916-362-8947

DANNY WONG

008-009

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Attention:	Mr. Brian E. Stack Switch Putter 274 Walter Hays Dr. Palo Alto, CA 94303	Date Sampled:	Apr. 22, 1993
		Date Received:	Apr. 22, 1993
		Date Analyzed:	Apr. 27, 1993
Project #:	C.O.C. #1725	Project Name:	1030 Tata Lane
Client ID:	B5-32	LAB ID:	South Lake Tahoe ST93-94-354A
Matrix:	Soil	Dilution:	

Name	Amount	Detection Limit	Units
Oil & Grease	220	50	ug/g

ppb = parts per billion = ug/kg = microgram per kilogram

ppm = parts per million = ug/g = microgram per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist4-27-93
Date Reported

208-362-0947

DANNY WONG

007-008



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Attention:	Mr. Brian E. Stack Switch Putter 274 Walter Hays Dr. Palo Alto, CA 94303	Date Sampled:	Apr. 22, 1993
		Date Received:	Apr. 22, 1993
		Date Analyzed:	Apr. 27, 1993
Project #:	C.O.C. #1725	Project Name:	1030 Tata Lane
Client ID:	B5-31	LAB ID:	South Lake Tahoe ST93-94-352A
Matrix:	Soil	Dilution:	

Name	Amount	Detection Limit	Units
Oil & Grease	940	50	ug/g

ppb = parts per billion = ug/kg = microgram per kilogram

ppm = parts per million = ug/g = microgram per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Date Reported

003 0047

DANNY WONG

0006-00



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Attention:	Mr. Brian E. Stack Switch Putter 274 Walter Hays Dr. Palo Alto, CA 94303	Date Sampled:	Apr. 22, 1993
		Date Received:	Apr. 22, 1993
		Date Analyzed:	Apr. 27, 1993
Client ID:	85-30	Address:	1000 Lake Lane South Lake Tahoe ST93-94-350A
Matrix:	Soil	LAB ID:	
		Dilution:	

Name	Amount	Detection Limit	Units
Oil & Grease	260	50	ug/g

ppb = parts per billion = ug/kg = microgram per kilogram

ppm = parts per million = ug/g = microgram per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.


R. L. James, Principal Chemist

4-27-93
Date Reported

APR - 9-93 FRI 10: : ENVT MGMT DEPT

P. 01

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX # (916) 542-3364

DATE: 4-9-93

TO: Jim Thompson FROM: Masay

ATTN: _____ DEPT: J

FAX#: _____ PHONE: _____

If there are any problems in receiving this FAX, please call
(916) 573-3450.

Message:

PAGE 1 OF 2

This soil has elevated levels of
Arsenic, Lead - OK for Asphalt + ?



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 17 EPA Method 6010

Attention: Mr. David Oliver
ATEC Environmental
8 Pasteur, Suite 150
Irvine, CA 92718-3803

Date Sampled: Mar. 6, 1993
Date Received: Mar. 8, 1993
Date Analyzed: Mar. 9, 1993

Project #: 69-07-9301015 Project Name: Brian Stack

Client ID: SPI (1-4) Comp. LAB ID: ST93-03-150A

Matrix: Soil Dilution:

Name	Amount	STLC	Reporting Limit	TTLC	Units
Antimony (Sb)	ND	15	2.5	500	mg/Kg
Arsenic (As)	63	5.0	5.0	500	mg/Kg
Barium (Ba)	48		1.0		mg/Kg
Beryllium (Be)	0.36		0.25		mg/Kg
Cadmium (Cd)	ND		0.8		mg/Kg
Chromium (Cr)	3.1		1.0		mg/Kg
Cobalt (Co)	ND		1.0		mg/Kg
Copper (Cu)	7.7		1.0		mg/Kg
Lead (Pb)	11	5.0	2.5	1,000	mg/Kg
Mercury (Hg)	ND		1.0		mg/Kg
Molybdenum (Mo)	ND		1.0		mg/Kg
Nickel (Ni)	3.0		1.0		mg/Kg
Selenium (Se)	ND		5.0		mg/Kg
Silver (Ag)	ND		1.0		mg/Kg
Thallium (Tl)	7.5	7.0	6.0	7000	mg/Kg
Vanadium (V)	26	24	1.0	2,4000	mg/Kg
Zinc (Zn)	44		1.0		mg/Kg

PPM = Parts per Million = mg/kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

3-9-93

Date

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1814)

WHILE YOU WERE OUT

MESSAGE

TO

FROM

OF

Jim
Carolyn
Ultrasound

DATE

AFF.

CITY

NUMBER

EXTENSION

10/8

TIME

1:20

309

583-3347

re: SHT Beacon
Called and advised
no more materials to
~~short~~ ~~miss~~ ~~short~~ ~~miss~~

URGENT!

CALL BACK

WILL CALL AGAIN

PHONED

WANTS TO SEE YOU

WAS IN

RECYCLED PAPER

2/6/93
Tahoe
Asphalt

FAX COVER SHEET

SENT TO: EL DORADO COUNTY

Not
Sent

TO: JIM THOMPSON 916-621-53
MARCY BARNETT 916-573-3

FAX NUMBER: (JIM) 916-642-1531 (MARCY) 916-542-3364

10-6-92

DATE: OCTOBER 7, 1992

DOCUMENT SENT FROM: Carolyn V. Nunes (209) 583-33
Ultramar Inc.
525 West Third Street
Hanford, CA 93230
FAX: (209) 583-3282

XXX T SAME DAY

DOCUMENT TO: Results for approximately 40 cubic
yards of soil at our location 688 in South Lake Tahoe. We would
like to transport the soil on Thursday, October 8, 1992 to a site
in South Lake Tahoe. We are scheduled to have the
soil removed from our station on Friday, October 9, and
would like to have the soil removed on the grand opening.
The soil was generated from trenches.

NUMBER OF PAGES IN THIS COVER SHEET

4

October 7, 1992
Sample Log 5183

J. Johnson
RESNA
42501 Albrae
Fremont, CA

Subject: Analytical Results for 1 Soil Sample
Identified as: Beacon 688 (Project # 583-11-2960-G)
Received: 10/06/92

Dear Mr. Johnson:

Analysis of the sample(s) referenced above has been completed.
This report is written to confirm results communicated on
October 7, 1992 and describes procedures used to analyze the

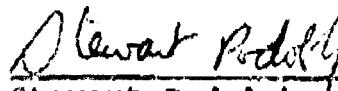
sample(s). The sample(s) were received in brass sleeves that were sealed with aluminum foil and plastic endcaps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 8020/Purge-and-Trap)
"TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)

Please refer to the following table(s) for summarized analytical results and contact us at 916-757-4650 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:



Stewart Podolny
Senior Chemist

Sample Log 5183
5183-1

Sample: S-1006-1A,B,C,D

From : Beacon 688 (Project # 688-11-2960-G)

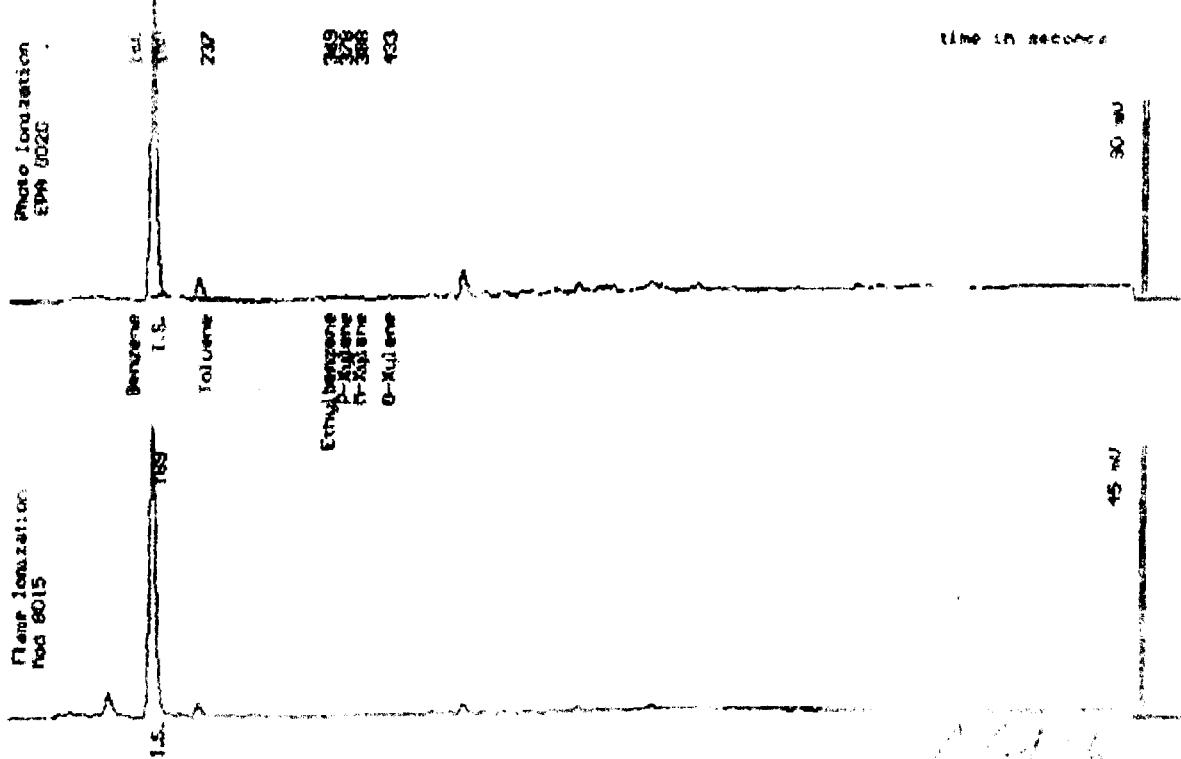
Sampled : 10/06/92

Dilution : 1:1

QC Batch : 4057e

Matrix : Soil

Parameter	(MDL) <small>micro</small>	Measured Value <small>micro/kg</small>
Senzene	(.0050)	<.0050
Toluene	(.0050)	.0063
Methylbenzene	(.0050)	<.0050
Di- & Tri Xylenes	(.0050)	<.0050
1,3,5 Gasoline	(.50)	<.50



Date Analyzed: 10-07-92
Column: 0.83mm ID X 30m DB-1701 (J&W Scientific)

Ultramars Inc.
CHAIN OF CUSTODY REPORT

Beacon Station No.	Sampler/Printed Name	ANALYSIS		
688	Rich Johnson	Date	Time	Lab No.
Project No.	Sampler (Signature)			
688-11-2960-G	R. Johnson			
Project Location	Affiliation			
Tahoe	RESUA			
Sample No./Identification				
S-1006-1A	10-6	1400		
S-1006-1B	10-6			
S-1006-1C	10-6			
S-1006-1D	10-6			
RECEIVED				
Releasor (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	
Johnson	10/16/95	7:45		
Releasor (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	
Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	
Report to:	ULTRAMAR INC.		Date	Time
J. Johnson	525 West Third Street Hartford, CA 93230 Attention:		10/16/95	7:45
Return to Client with Report				

JUL
BC
114

Review ^{or} for Asphalt
members.

P. 01

~~No Approval~~
~~Too high~~ File
to Asphalt
Dental

GEN 1

167

JUL - 38 - 92 TUE

1981 T DEP

P. 02

4/50

JUL - 30 - 67

MAT DEPT

P. 03

COUNTY OF
EL DORADO

ENVIRONMENTAL MANAGEMENT DEPARTMENT

AIR POLLUTION CONTROL DISTRICT

ENVIRONMENTAL HEALTH DIVISION

SOLID WASTE & HAZARDOUS MATERIALS DIVISION



MAIN OFFICE:
2850 Fairlane Court
Building C
Placerville, CA 95667
(916) 621-5300

SOUTH LAKE TAHOE OFFICE:
1350 JOHNSON BLVD.
P.O. BOX 14508
SOUTH LAKE TAHOE, CA 96702
(916) 573-3145

October 29, 1992

Tahoe Asphalt Inc.
P.O. Box 40
Watsonville, CA 95077

SUBJECT: Emissions Inventory Plan - Air Toxics "Hot Spots"
Information and Assessment Act

Dear Facility Owner/Operator,

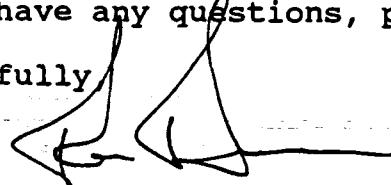
As a reminder, the El Dorado County Air Pollution Control District (APCD) held a public workshop on September 21, 1992, regarding the requirements of California's Air Toxics "Hot Spots" Information and Assessment Act. During the workshop, the APCD established a compliance schedule regarding the emission inventory plan requirement of this legislation--in four (4) months, plans would be due. This letter serves as notice that the comprehensive emission inventory plan for your facility at 1104 Industrial Avenue, South Lake Tahoe, California, will be due on February 1, 1993.

All requirements for the emission inventory plan can be found in the California Air Resources Board's Emission Inventory Criteria and Guidelines Regulation. The most recent version of the Guidelines Regulation became effective on January 30, 1992, and is available from the County's APCD and/or ARB. Please utilize this version for your plan.

Tahoe Asphalt Inc.
Page two

If you have any questions, please contact our office at 621-6662.

Respectfully

A handwritten signature consisting of several loops and a horizontal line.

Ronald D. Duncan, REHS
Air Pollution Control Officer

cc: Jim Thompson, APCD
Michael Guzzetta, REHS



TAHOE ASPHALT INC.

P.O. Box 8378
So. Lake Tahoe
CA. 96158
916 541 0133

RECEIVED

CT 19 199

8/16/7

Memo to all Plant Operators

This memo is regarding dust and odor output of our plant.

Our production levels will have to be reduced anytime that fugitive dust release's from the plant screen or any other part of the plant is more than an occasional puff, is heavy or we have complaints.

Further more when the burned dirt smell is strong we need to reduce production levels until the odor is reduced to levels that will not spread to near by neighborhoods.

The terms of our air pollution permit are very specific about our releases, it states that if our releases are a nuisance that we are to reduce or stop prduction.

This is company policy and to be firmly adhered to.

Thank You,

Russell Crawford

Russell Crawford



TAHOE ASPHALT INC.

P.O. Box 8378
So. Lake Tahoe
CA. 96158
916 541 0133

Marcy Barnett
Environmental Management
Eldorado County

Marcy,

This letter is in response to our phone convesation on the 6th of october 1992. The call was about a citizens complaint about the smell of asphalt emanating from our plant. I drove through the neighborhood after your call and there was some odor. This odor is not the smell of asphalt but the smell of organic matter in the dirt being burned up in the heating process. we get material with small roots and pine needles on occasion and these produce a burned dirt smell. To alleviate this problem I have instructed my plant operators to blend the dirt differently and to reduce the production of the plant until the smell is reduced.

I further am including a letter written by me to my plant operators stating my position on production levels versus dust and odor levels.

I write this letter because it is highly unlikely that the smell of asphalt would be detected at any site more than 50 to 75 feet from the plant and only from fugitive fumes generated during the loading of trucks at this range.

Thank You,



Russell Crawford

Manager

cc; Jim Thompson

WHILE YOU WERE OUT

TO *Jen*
FROM *Tom Haen*
OF

DATE *10/22* TIME *3:45*
AREA CODE *916* NUMBER *5414700*
EXENSION

MESSAGE

SIGNED *(H)*

URGENT! RETURNED CALL CALL BACK WILL CALL AGAIN PHONED WANTS TO SEE YOU WAS IN

AMPAD NO. 23-776 / 400 SETS

RECYCLED PAPER

OCT - 21 - 1960 DRAFTED BY R. C. HARRIS FOR F. B. I.

Postcard Addressed to: [REDACTED]
To: [REDACTED] From: [REDACTED]
Cc: [REDACTED] Date: Oct 21 1960
Bldg: [REDACTED] File No: [REDACTED]

E REPORT

167

3D yds

189 - Shady Lane // [REDACTED]
~~Shady~~ Nevada //

No Not to be transported -
out of state?

OCT - 21 - 1961 - COPY TO BOSTON MASSACHUSETTS DIRECTOR

POLAROID

Page 2

Alfred A. Ladd
John G. Ladd
Stephen S. Ladd
C. Ladd
Paul Ladd
Ladd

✓

KODAK POLAROID

Laboratory Director

Received date 10/16/61

EL DORADO CO ENV HLTH

TF 11-2000-01-41571

Oct 09 92

8:18

SEARCHED INDEXED SERIALIZED FILED

10/10/92
10/10/92
10/10/92
10/10/92
10/10/92

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-5304
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: 10/8/92
To: Clauss Excavation
Attn: Mike Clauss
Fax#: 581-3745
From: Jim Thompson

If there are any problems (or questions) in receiving this FAX,
please call Peggy Hogan (916) 621-6662.

MESSAGE:

PAGE 1 OF 3

Thank You.

COUNTY OF
EL DORADO

ENVIRONMENTAL MANAGEMENT DEPARTMENT

AIR POLLUTION CONTROL DISTRICT

ENVIRONMENTAL HEALTH DIVISION

SOLID WASTE & HAZARDOUS MATERIALS DIVISION



MAIN OFFICE:
2850 Fairlane Court
Building C
Placerville, CA 95667
(916) 621-5300

SOUTH LAKE TAHOE OFFICE:
1350 JOHNSON BLVD.
P.O. BOX 14508
SOUTH LAKE TAHOE, CA 95702
(916) 573-3145

October 8, 1992

Tahoe Asphalt, Inc.
P.O. Box 8378
South Lake Tahoe, CA 95731-1378

SUBJECT: Larry Carter, 3070 Fabian, Tahoe City, CA
Contaminated Soil Analysis

Dear Mr. Crawford,

The Air Pollution Control District has received and reviewed the contaminated soil analysis from Sequoia Analytical for Larry Carter 3070 Fabian, Tahoe City, California. The soil analysis indicates the resultant concentrations of concern do not exceed emission thresholds for the baghouse or any State or Federal ambient standards.

As we discussed, the material is to be used in accordance with the understanding that all contaminated soils are to be used at a mixture no greater than 10 percent of the feed (by weight) to the hot mix process. The latest production capacity was determined to be up to 163.5 tons of asphalt per hour.

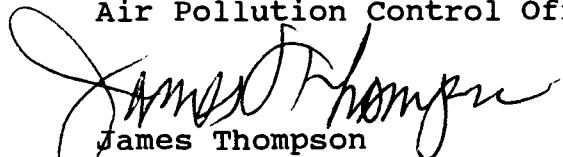
With the above understanding, the District will release to Tahoe Asphalt, Inc., the contaminated soil (17 yds) from Larry Carter, 3070 Fabian, Tahoe City, California, for its use at the Tahoe Asphalt Plant. It should be noted the soil analysis will remain in the permitted source file for documentation, along with this correspondence.

Tahoe Asphalt, Inc.
October 8, 1992
Page two

If you have questions, please do not hesitate to contact this office at (916) 621-6662.

Sincerely,

Ronald D. Duncan, REHS
Air Pollution Control Officer



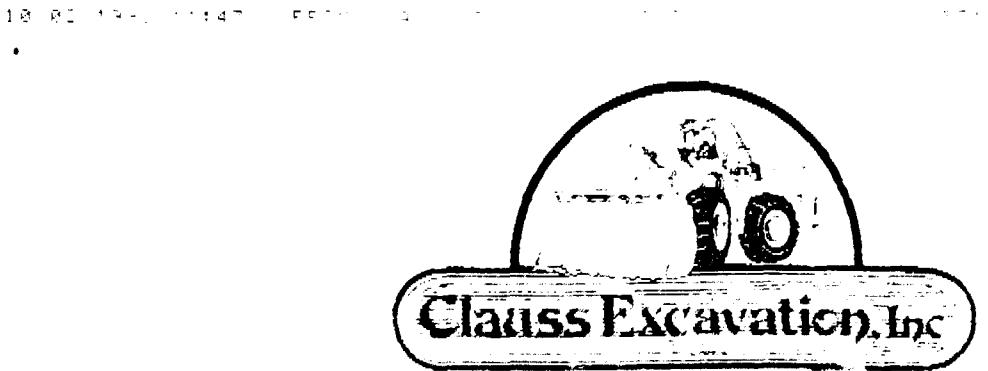
James Thompson
Air Pollution Control Program Coordinator

cc: Ronald D. Duncan, REHS, APCO
Michael Guzzetta, REHS, APCD
File

Mike #2 Asphalt TAH

WHILE YOU WERE OUT

TO	Jm Mike Claus		DATE 10/7	TIME 8:05				
FROM			AREA CODE 916	NUMBER 581-5001				
OF	Claus & Escavating		EXTENSION					
MESSAGE	<p>OK JMDM Nash mon KSA</p> <p><i>Dick</i></p>							
URGENT!	<input type="checkbox"/>	RETURNED CALL	<input type="checkbox"/>	CALL BACK	<input checked="" type="checkbox"/> WILL CALL AGAIN	<input type="checkbox"/> PHONED	<input type="checkbox"/> WANTS TO SEE YOU	<input type="checkbox"/> WAS IN
				SIGNED <i>JH</i>				



Sulfur?

attacked

10-6-92

Fill
Tobol Asphal

FAX TRANSMISSION REPORT

To: FAX 301

From: Clauss Excavation

~~Asphal~~
~~Asphal~~
~~Asphal~~
~~Asphal~~
~~Asphal~~

Mike Clauss

Clauss Excavation

(916) 581-5051

FAX 581-3745 ↙

Russ HAS SOIL
CRAWFORD.



SEQUOIA ANALYTICAL

816 Striker Avenue • Suite 5 • Sacramento, CA 95834
(916) 921-9600 • FAX: (916) 921-0100

#2

Clauss Excavation, Inc.
P.O. Box 307
Homewood, CA 94638
Attention: Mike Clauss

Client Project ID: Carter
Matrix Descrip: Soil
Analysis Method: EPA 3550/8015
First Sample #: 206-0430

Sampled: Aug 26, 1992
Received: Aug 27, 1992
Extracted: Sep 1, 1992
Analyzed: Sep 2, 1992
Reported: Sep 3, 1992

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)	Detection Limit	Multiplication Factor
206-0430	03	31	D.L.	
206-0430	04	260	D.L. + 1	
206-0430	05	490	D.L. x 2	

From Carter: ~~Residential~~
3070 Fabian
Tolkt

Detection Limits

100 ng/g detection limit for EPA 8015 analysis. Detection limits are determined by 3 times the standard deviation of the blank.

SEQUOIA ANALYTICAL

Michael R. Jones
Michael R. Jones
Laboratory Director

Print Name _____
Signature _____
Date _____



SEQUOIA ANALYTICAL

819 Elkton Avenue • Suite 3 • Sacramento, CA 95804
(916) 921-9600 • Fax: (916) 921-0100

#3

Clauss Excavation, Inc.
P.O. Box 307
Homewood, CA 96141
Attention: Mike Clauss
Telephone: (510) 428-1222

Client Project ID: Carter
Matrix Description: Soil
Analysis Method: EPA 5030/8020
First Sample #: 208-0430

Sampled: Aug 26, 1992
Received: Aug 27, 1992
Analyzed: Aug 31, 1992
Reported: Sep 3, 1992

STEX DISTINCTION (EPA 8020)

Sample Number	Sample Description	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	Detection Limit Multiplication Factor
208-0430	03	N.D.	N.D.	N.D.	N.D.	DL x 10
208-0432	05	N.D.	N.D.	N.D.	N.D.	DL x 10

Detection limits

Analyses reported below detection limits are estimated values.

SEQUOIA ANALYTICAL

Mike Clauss
Michael R. Clauss
Subsidiary Director



SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834
(916) 921-0000 • FAX: (916) 921-0100

Clauss Excavation, Inc.

Client Project ID: Carter

P.O. Box 307
Homewood, CA 96141
Attention: Mike Clauss

Sample Group: 2080430-32

Reported Sep 3, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Ethy				
	Benzene	Toluene	Xylenes	Ethylbenzene	p-Xylene
Method Analyst	EPA 8020				
Reporting Units:	ppm	ppm	ppm	ppm	ppm
Date Analyzed:	Aug 31, 1992				
Sample #	208-0430	208-0430	208-0430	208-0430	208-0430
Sample Date	N.D.	N.D.	N.D.	N.D.	N.D.
Sample Conc.	0.00	0.20	0.20	0.40	1.0
Conc. Matrix Spike:	0.00	0.20	0.20	0.40	1.0
Matrix Spike Recovery:	100	100	100	100	100
Conc. Matrix Spike Dup 1:	0.00	0.20	0.20	0.40	1.0
Matrix Spike Recovery:	100	100	100	100	100
Relative % Difference:	0.0	0.0	0.0	0.0	0.0

SEQUOIA ANALYTICAL

Michael P. Giles
Michael P. Giles
Laboratory Director

Recovery	Conc. D.M.S. Oct 16, 1992
	Spike Concentration
Relative % Difference	Oct 16, 1992
	Total P.6

TOTAL P.6



FAX TRANSMITTAL SHEET

DIRECTED TO:

SL DORADO COUNTY
ATT: Tim Thompson

COMMENTS:

Results of sulfur test in dirt
to be discussed at take off
Initial test set up LNS 26
on deposit
Ref

FROM:

Mike 2

NUMBER OF PAGES INCLUDING COVER SHEET: 1



SEQUOIA ANALYTICAL

c19 Striker • Suite 8 • Sacramento, CA 95834
7161 921 9611 • Fax 7161 921 0100

Clauss E&S
P.O. Box 30
Homewood, CA 95141
Attention: Mike Clauss

Project ID: Carter
Sample Descript: Soil, #05

Sample Number: 208-0432

Sampled: Aug 26, 1992
Relogged: Oct 5, 1992
Reported: Oct 6, 1992

LABORATORY ANALYSIS

Analyte	Date Analyzed	Detection Limit mg/kg	Sample Result mg/kg
Total Sulfur	10/5/92	0.33	2.0

Analyst: Mike Clauss. I, the analyst, do hereby declare that the data contained herein is true and accurate.

SEQUOIA ANALYTICAL

Mike Clauss

Mike Clauss
Quality Control Manager

QIOTY ANALYTICAL

18 • Sacramento, CA 95834

192-0100

Ca.
F. Box 32
Homewood C. 141
Attention: M 285

Project ID: Carter

File Group: 208-0432

Reported: Oct 6, 1992

QUALITY CONTROL DATA REPORT**ANALYTE**

Total

Diff.

ppm

ppm

ppm

ppm

ppm

very:

negative

57

42.07

FEB 1 1992

Lab

2080432.000 <2>

TOTAL P.03

EL DORADO CO ENV HLTH

TEL: 1-916-642-1531

Oct 06 92 15:55

Dutton Zahal
Cephax

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-5304
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: 10/6/92
To: Environmental Mgmt
Attn: Marcy Bennett
Fax#: _____
From: Jeri Thompson

If there are any problems (or questions) in receiving this FAX,
please call Peggy Hogan (916) 621-6662.

MESSAGE:

PAGE 1 OF 3

Thank You.

COUNTY OF
EL DORADO

ENVIRONMENTAL MANAGEMENT DEPARTMENT

AIR POLLUTION CONTROL DISTRICT

ENVIRONMENTAL HEALTH DIVISION

SOLID WASTE & HAZARDOUS MATERIALS DIVISION



MAIN OFFICE:
7563 GREEN VALLEY ROAD
PLACERVILLE, CA 95667
(916) 621-5300

SOUTH LAKE TAHOE OFFICE:
1350 JOHNSON BLVD.
P.O. BOX 14508
SOUTH LAKE TAHOE, CA 95702
(916) 573-3145

August 4, 1992

Tahoe Asphalt, Inc.
P.O. Box 8378
South Lake Tahoe, CA 95731-1378

SUBJECT: Midas Muffler, 2709 Hwy 50, South Lake Tahoe, CA -
Contaminated Soil Analysis

Dear Mr. Crawford:

The Air Pollution Control District has received and reviewed the contaminated soil analysis from Alpha Analytical Laboratories, Inc. for Midas Muffler, 2709 Hwy 50, South Lake Tahoe, CA. The soil analysis indicates the resultant concentrations of concern do not exceed emission thresholds for the baghouse or any State or Federal ambient standards.

The metals Chromium (6.6 mg/kg) and Zinc (37.0 mg/kg) are below the melting point of the fined material and will result in being encapsulated within the asphalt/aggregate matrix. With a 10 percent dilution, (Chromium 0.66 mg/kg) and Zinc (4.0 mg/kg) are well below any thresholds that might impact the air emissions of the baghouse.

As we discussed previously, the material is to be used in accordance with the understanding that all contaminated soils are to be used at a mixture no greater than 10 percent of the feed (by weight) to the hot mix process. The latest production capacity was determined to be up to 163.5 tons of asphalt per hour.

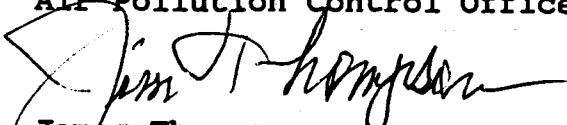
With the above understanding, the District will release to Tahoe Asphalt, Inc. the contaminated soil (<50 yds) from Midas Muffler, 2709 Hwy 50, South Lake Tahoe, California for its use at their Tahoe Asphalt Plant. It should be noted the soil analysis will remain in the permitted source file for documentation, along with this correspondence.

Tahoe Asphalt, Inc.
August 4, 1992
Page 2

If you have any questions, please do not hesitate to contact this office at (916) 621-6662.

Sincerely,

Ronald D. Duncan, REHS
Air Pollution Control Officer



James Thompson
Air Pollution Control Program Coordinator

cc: Ronald D. Duncan, REHS, APCO
Michael Guzzetta, REHS, APCD
FILE

c:\wp51\work\midasmuf.air

COUNTY OF
EL DORADO

ENVIRONMENTAL MANAGEMENT, DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

AIR POLLUTION CONTROL DISTRICT

SOLID WASTE & HAZARDOUS MATERIALS DIVISION



MAIN OFFICE:
2850 Fairlane Court
Building C
Placerville, CA 95667
(916) 621-5300

SOUTH LAKE TAHOE OFFICE:
1350 JOHNSON BLVD.
P.O. BOX 14508
SOUTH LAKE TAHOE, CA 95702
(916) 573-3145

September 30, 1992

Mr. Russ Crawford
Tahoe Asphalt, Inc.
P.O. Box 8378
South Lake Tahoe, CA.
95731-1378

RE: Tank Removal
Rotten Robbies, Hwy 50
South Lake Tahoe, CA.

Dear Mr. Crawford,

The sample results from the contaminated soil generated as the result of a tank removal project at the above referenced location have been received by this office. The concentrations indicated do not exceed any thresholds that will exceed the emissions of the baghouse or any State or Federal ambient standards.

Therefore, the soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms of the letter of understanding, whereby all contaminated soils are to be used at a mixture no greater than 10% of the feed (by weight) to the hot mix process. It is understood that less than 800 cu. yds. will be generated.

The analysis results will remain in the permit file for documentation, along with this corresponding letter. If you have any questions, please feel free to contact this office.

Very truly yours,

James Thompson
Air Pollution Control Program Coordinator

cc: Marcy Barnett, Environmental Management, South Lake Tahoe
Ron Duncan, APCO, Environmental Management, Placerville
Dennis Otani, Manager Environmental Health



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482
CHEMICAL EXAMINATION REPORT (707) 468-0401

Thomas Haen Company, Inc.

P.O. Box 8998

South Lake Tahoe, CA 95703

Date Printed

9/30/92

Page

1

Batch Number Receipt Date Client Client P.O. Send Via
92-0928-001 09/28/92 09:00 TOMHAEN Mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MDL	DIL
Batch 92-0928-001 consisted of 7 samples and 35 Tests							
Sample 1	Mission Trail Oil., 2601 Hwy 50, SLT, CA #1-Tank #1 West End 19' deep						
Sample Type: Soil	Sampled by: Tom Haen		Sampled: 9/28/92 17:52				
TPH Gasoline W/BTXE	LUFT/8020						
TPH - Gasoline	LUFT	9/28	9/28/92	ND	ug/g	1	
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005	
Toluene	EPA 8020	9/29	9/29/92	ND	ug/g	.005	
Ethylbenzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005	
Xylenes	EPA 8020	9/29	9/29/92	ND	ug/g	.005	

Sample 2 Mission Trail Oil., 2601 Hwy 50, SLT, CA
#2-Tank #1 East End 19' deep

Sample Type: Soil Sampled by: Tom Haen

Sampled: 9/29/92 17:07

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MDL	DIL
TPH Gasoline W/BTXE	LUFT/8020						
TPH - Gasoline	LUFT	9/28	9/28/92	ND	ug/g	1	
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005	
Toluene	EPA 8020	9/29	9/29/92	.0055	ug/g	.005	
Ethylbenzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005	
Xylenes	EPA 8020	9/29	9/29/92	ND	ug/g	.005	

MDL - Minimum Detection Limit ND - None Detected

* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 9/30/92



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

CHEMICAL EXAMINATION REPORT (707) 468-0401

Thomas Haen Company, Inc.
P.O. Box 8998
South Lake Tahoe, CA 95703

Date Printed
9/30/92

Page
2

Batch Number Receipt Date Client Client P.O. Send Via
Z-0928-001 09/28/92 09:00 TOMHAEN Mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MOL	DILU
--	--------	-----------	-----------	--------	-------	-----	------

(continued from previous page)

Sample 3 Mission Trail Oil., 2601 Hwy 50, SLT, CA
#3-Tank #2 East End 19' deep

Sample Type: Soil Sampled by: Tom Haen

Sampled: 9/29/92 16:58

TPH Gasoline W/BTXE

LUFT/8020

TPH - Gasoline	LUFT	9/28	9/28/92	ND	ug/g	1
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005
Toluene	EPA 8020	9/29	9/29/92	.0055	ug/g	.005
Ethylbenzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005
Xylenes	EPA 8020	9/29	9/29/92	ND	ug/g	.005

Sample 4 Mission Trail Oil., 2601 Hwy 50, SLT, CA
#4-Tank #2 West End 19' deep

Sample Type: Soil Sampled by: Tom Haen

Sampled: 9/29/92 17:23

TPH Gasoline W/BTXE

LUFT/8020

TPH - Gasoline	LUFT	9/29	9/29/92	ND	ug/g	1
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005
Toluene	EPA 8020	9/29	9/29/92	.043	ug/g	.005
Ethylbenzene	EPA 8020	9/29	9/29/92	.076	ug/g	.005
Xylenes	EPA 8020	9/29	9/29/92	.64	ug/g	.005

MOL - Minimum Detection Limit ND - None Detected

* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 9/30/92



Alpha Analytical Laboratories Inc.

860 Waugh Lane, H-1, Ukiah, California 95482

CHEMICAL EXAMINATION REPORT

Thomas Haen Company, Inc.

P.O. Box 8998

South Lake Tahoe, CA 99703

(707) 468-0401

Date Printed

9/30/92

Page

3

Batch Number	Receipt Date	Client	Client P.O.	Send Via
20928-001	09/28/92 09:00	TOMHAEN		Mail

METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MDL	DILU
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(continued from previous page)

Sample 5 Mission Trail Oil., 2601 Hwy 50, SLT, CA

Sample Type: Soil Sampled by: Tom Haen

Sampled: 9/25/92 17:20

TPH Gasoline W/BTEX

	LUFT/8020					
TPH - Gasoline	LUFT	9/30	9/30/92	210	ug/g	1
Benzene	EPA 8020	9/30	9/30/92	.02	ug/g	.005
Toluene	EPA 8020	9/30	9/30/92	.57	ug/g	.005
Ethylbenzene	EPA 8020	9/30	9/30/92	.46	ug/g	.005
Xylenes	EPA 8020	9/30	9/30/92	3.5	ug/g	.005

Sample 6 Mission Trail Oil., 2601 Hwy 50, SLT, CA

#6-Tank #3 East End 19' deep

Sample Type: Soil Sampled by: Tom Haen

Sampled: 9/25/92 18:00

TPH Gasoline W/BTEX

	LUFT/8020					
TPH - Gasoline	LUFT	9/28	9/28/92	ND	ug/g	1
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005
Toluene	EPA 8020	9/29	9/29/92	.0051	ug/g	.005
Ethylbenzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005
Xylenes	EPA 8020	9/29	9/29/92	ND	ug/g	.005

IDL - Minimum Detection Limit ND - None Detected

* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 9/30/92



Alpha Analytical Laboratories Inc.

860 Waugh Lane, H-1, Ukiah, California 95482
(707) 468-0401

CHEMICAL EXAMINATION REPORT

Thomas Haen Company, Inc.

P.O. Box 8998
South Lake Tahoe, CA 95703

Date Printed

9/30/92

Page

6

Batch Number	Receipt Date	Client	Client P.O.	Send Vial
2-0928-001	09/28/92 09:00	TOMHAEN		Mail

METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MOL	DIL
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continued from previous page)

Sample 7 Mission Trail Oil., 2601 Hwy 50, SLT, CA

#7-Stockpile

Sample Types: Soil Sampled by: Tom Haen
BTXE-These detection limits are 20 times higher
than usual due to matrix interferences.

Sampled: 9/23/92 10:00

TPH Gasoline W/BTEX	LUFT/8020					
TPH - Gasoline	LUFT	9/29	9/29/92	990	ug/g	1
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.10
Toluene	EPA 8020	9/29	9/29/92	2.3	ug/g	.10
Ethylbenzene	EPA 8020	9/29	9/29/92	1.8	ug/g	.10
Xylenes	EPA 8020	9/29	9/29/92	32	ug/g	.10

MOL = Minimum Detection Limit ND = None Detected

* = Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Date Printed: 9/30/92

Bruce L. Gove

WED 11:42

LPHA ANALYTICAL LA

P. 82

Alpha

Alpha Analytical Laboratories Inc.

WORK ORDER
CHAIN OF CUSTODY

48 hr TAT

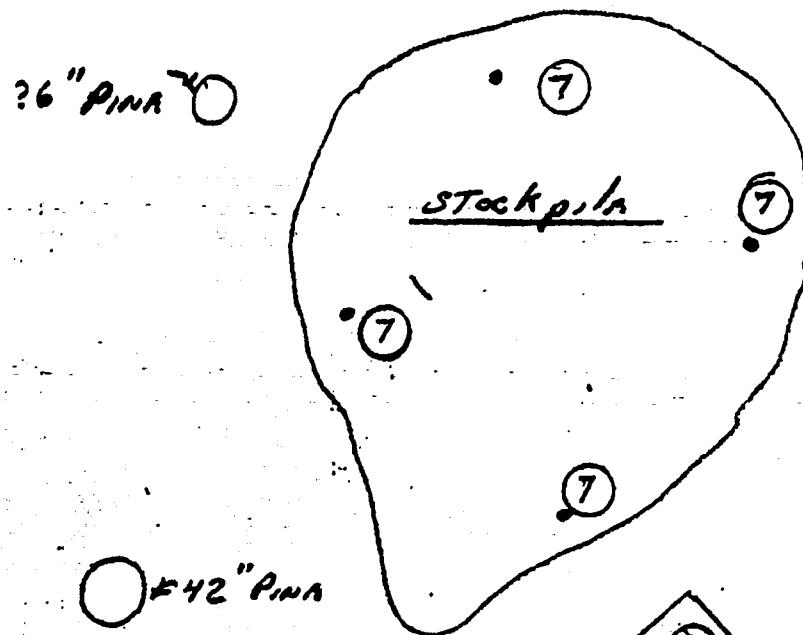
Due 9/30/94

860 Waugh Lane, H1, Ukiah, California 95482
(707) 468 0401Client Thomas Haen CoPhone 916-541-4700Address 1012 Industrial Ave
Se Lake Tahoe, CaSignature of person authorizing work
under terms stated belowThomas Haen

*Not 30 days. All accounts past due will be subject to interest charges of 1.5% per month

*Hazardous materials are the property of the client. The client is responsible for proper disposal of hazardous wastes. Clients not picking up hazardous wastes may be assessed an appropriate fee.

PROJECT ID 2601 Hwy 50 S.L.T., Ca			No. of Contain-ers	ANALYSIS					REMARKS
92 Date	sample type	Sample Location		TPH - Gasoline	BTEX + Benzene	PCP	Dieldrin	Heptane	
9-15 0752	1	Trough West end 19' deep	-	-					48 hr 92-0928-1-
1707	2	" H1 East end 19' deep	-	-					48 hr
1557	3	" H2 East end 19' deep	-	-					48 hr
1725	4	" H2 West end 19' deep	-	-					48 hr
1726	5	" H3 West end 19' deep	-	-					48 hr
1800	6	" H3 West end 19' deep	-	-					48 hr
9-16 1000	7	Stock pile	-	-					48 hr
Samples to anal Calif Air Space in good cylinders X									
Heavy Artillery adi when you check your area									
Relinquished by (signature): <u>Tom Haen</u>			Date 9-15	Time 1800	Received by (signature): <u>Calif</u>			Date 9-16/92	Time 09:15
Relinquished by (signature):			Date	Time	Received by (signature):			Date	Time
Relinquished by (signature):			Date	Time	Received by (signature):			Date	Time
Relinquished by (signature):			Date	Time	Received by (signature):			Date	Time
Relinquished by (signature):			Date	Time	Received by (signature):			Date	Time
Site Time:					Driving Time:				
Start:	Finish:	Total Hours:			Start:	Finish:	Total Hours:		

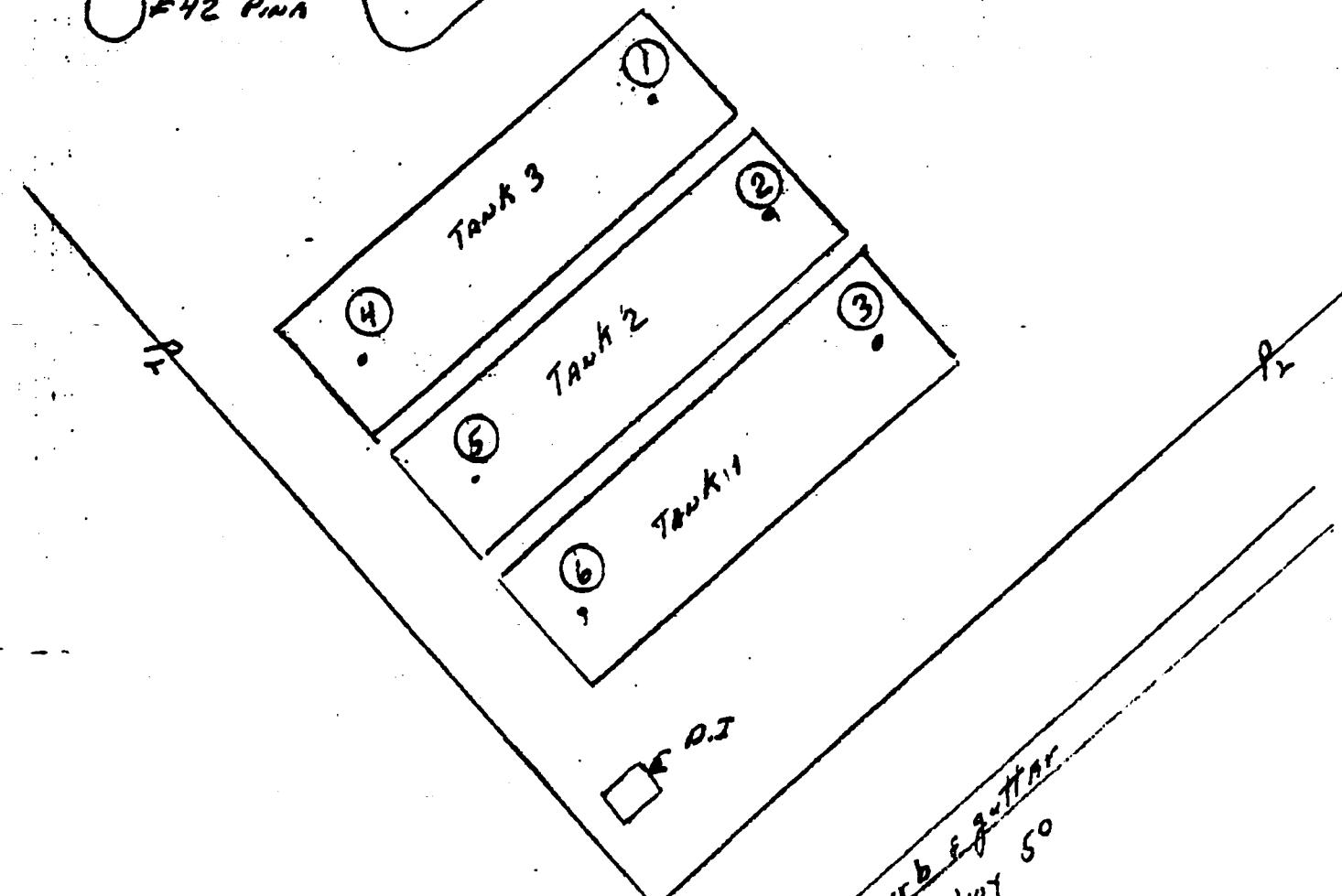


SCALE
1" = 10'

NOTE

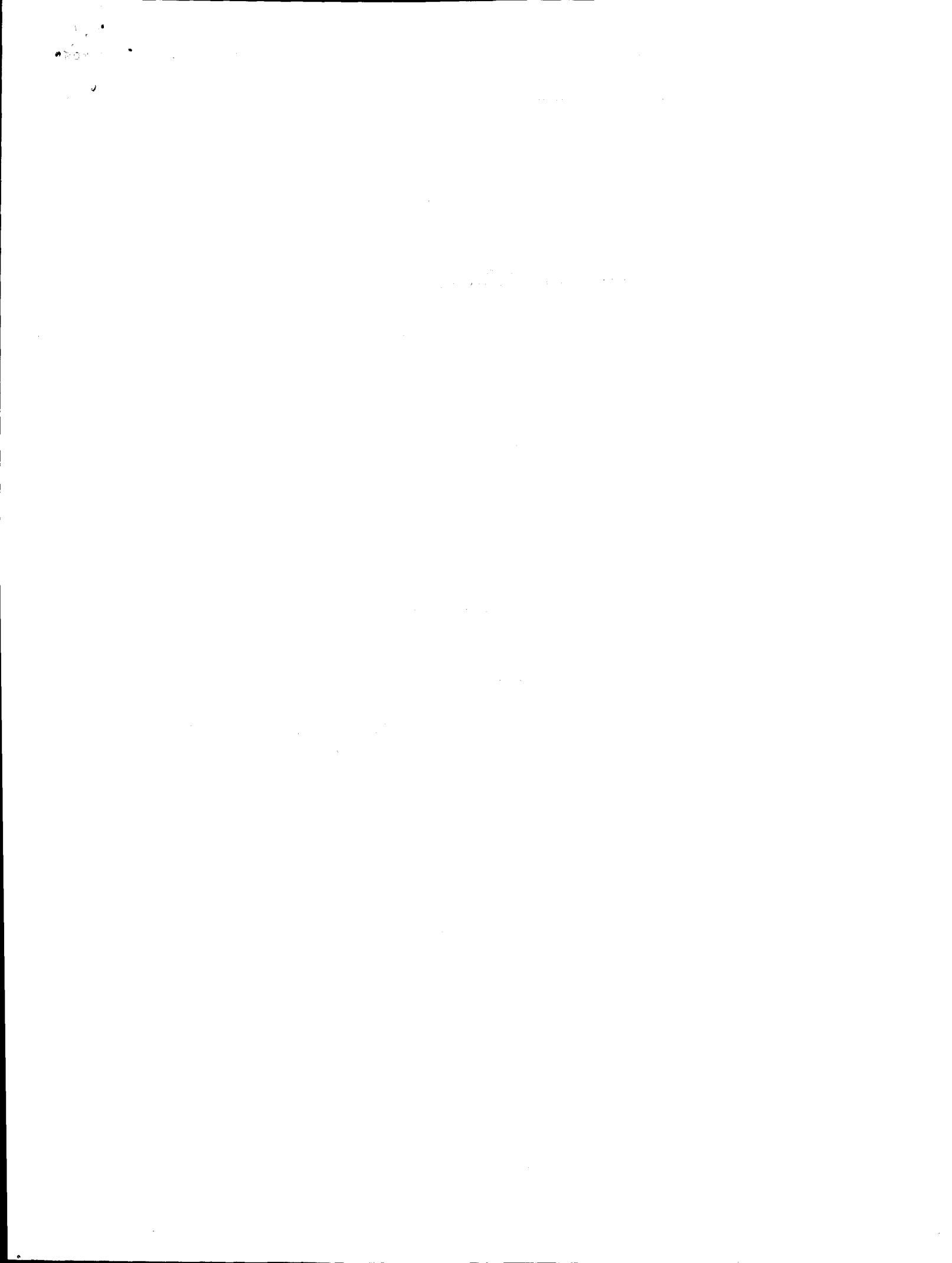
(1) - HAEN #

APP. 21' DEEP



2601 Loma Tabor Blvd

HAEN 9-30-92





Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

CHEMICAL EXAMINATION REPORT (707) 468-0401

HACERON REACH COMPANY, INC.
P.O. Box 8770
South Lake Tahoe, CA 96170

Date Printed
9/30/92

Page

Batch Number	Receipt Date	Offices	Client P.O.	Send via
12-9288-001	09/26/92	TOH-AFK		mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MDL	SDS
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Batch 92-9288-001 consisted of 7 samples and 35 Tests

Sample 1 Location: 7601 Hwy 50, South, CA
 Retail Gasoline - 100% Gas
Sample Type: 6011 Sampled by: Tom Keen

Sampled: 9/25/92 17:02

Test Description	LOD/MDL						
TPH + Diesel oil	0.017	9/28	9/28/92	ND	ug/g	0	
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005	
Toluene	EPA 8020	9/29	9/29/92	ND	ug/g	.005	
Ethylbenzene	EPA 8020	9/29	9/29/92	40	ug/g	.005	
Xylenes	EPA 8020	9/29	9/29/92	ND	ug/g	.005	

Sample 2 Location: 7601 Hwy 50, South, CA
 Retail Gasoline - 100% Gas

Sample Type: 6011 Sampled by: Tom Keen

Sampled: 9/25/92 17:02

Test Description	LOD/MDL						
TPH + Diesel oil	0.017	9/28	9/28/92	ND	ug/g	0	
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005	
Toluene	EPA 8020	9/29	9/29/92	.0055	ug/g	.005	
Ethylbenzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005	
Xylenes	EPA 8020	9/29	9/29/92	ND	ug/g	.005	

MDL = Minimum Detection Limit ND = None Detected

* = Indicates Detection Limit altered due to sample dilution

NOTES:

Thomas J. Gove
Laboratory Director

Tom J. Gove
Laboratory Director
Date Printed: 9/30/92



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482
CHEMICAL EXAMINATION REPORT (707) 468-0461

Tahoe Beach Company, Inc.

P.O. Box 8950

South Lake Tahoe, CA 96170

Date Printed

9/30/92

Page

2

Batch Number	Receipt Date	Client	Client P.O.	Send Via
3-0828-001	9/26/92	TOHAEH		Mail

METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MOL	QTY
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continued from previous page

Sample 3 Mission Trail, 8601 Hwy 50, SLT, CA
#3 tank #2 West End 10' deep

Sample Type: Soil Sampled by: Tom Haen

Sampled: 9/25/92 16:58

VPA Gasoline W/STX	LQFT/8020					
Toluene	EPA 8020	9/28	9/28/92	ND	ug/g	
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005
Toluene	EPA 8020	9/29	9/29/92	.0055	ug/g	.005
Ethylbenzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005
Xylenes	EPA 8020	9/29	9/29/92	ND	ug/g	.005

Sample 4 Mission Trail, 8601 Hwy 50, SLT, CA
#4-Tank #2 West End 10' deep

Sample Type: Soil Sampled by: Tom Haen

Sampled: 9/25/92 17:25

VPA Gasoline W/STX	LQFT/8020					
Toluene	EPA 8020	9/29	9/29/92	ND	ug/g	
Benzene	EPA 8020	9/29	9/29/92	ND	ug/g	.005
Toluene	EPA 8020	9/29	9/29/92	.063	ug/g	.005
Ethylbenzene	EPA 8020	9/29	9/29/92	.076	ug/g	.005
Xylenes	EPA 8020	9/29	9/29/92	.64	ug/g	.005

MDL = Minimum Detection Limit ND = None Detected

* = Indicates Detection Limit determined due to Sample dilution

• 1006562359410080 • **Holiday Beverage Detection Lab** • 810666 due to sample dilution

1006562359410080 • **None detected**

500	8/28	NO	26/627/92	9/29	EEA 8020	1006562359410080
500	8/28	NO	26/627/92	9/29	EEA 8020	8006562359410080
500	8/28	NO	26/627/92	9/29	EEA 8020	1006562359410080
500	8/28	NO	26/627/92	9/29	EEA 8020	8006562359410080
500	8/28	NO	26/627/92	9/29	EEA 8020	1006562359410080
					LOP7/8020	1006562359410080

Sampled by: 9/29/92 18:00 Sampled by: 9/29/92 18:00

Method used: 9/29/92 18:00
Wet-Treat 83 Method 150

Method used: 9/29/92 18:00
Wet-Treat 83 Method 150

500	8/28	3.3	9/30/92	9/30	EEA 8020	1006562359410080
500	8/28	4.4	9/30/92	9/30	EEA 8020	8006562359410080
500	8/28	4.7	9/30/92	9/30	EEA 8020	1006562359410080
500	8/28	4.9	9/30/92	9/30	EEA 8020	8006562359410080
	8/28	310	9/30/92	9/30	EEA 8020	1006562359410080
					LOP7/8020	1006562359410080

Sampled by: 9/29/92 18:00 Sampled by: 9/29/92 18:00

Method used: 9/29/92 18:00
Wet-Treat 83 Method 150

Method used: 9/29/92 18:00
Wet-Treat 83 Method 150

FILE	MCL	NAME	CLASS	RESULT	EXTRACTED	TEST DATE	METHOD	1006562359410080 (1006562359410080)		
								SEND VIA	COLLECT BY	SEND VIA
				1184			1006562359410080	00-6562359410080	06/02/93	00-6562359410080

1006562359410080 • **None detected**

1006562359410080 • **None detected**

1006562359410080 • **None detected**

ALDI'S ANALYTICAL LABORATORIES INC. • 860 Waukegan Lane, H-1, U.K.Y.C. • 954482
CERIMONIAL EXAMINATION REPORT (707) 466-0403



01 8/06 26 26/62/6 62/6 EPA 8030 00100000
 01 8/06 27 26/62/6 62/6 EPA 8030 00100000
 01 8/06 28 26/62/6 62/6 EPA 8020 00100000
 01 8/06 29 26/62/6 62/6 EPA 8020 00100000
 01 8/06 30 26/62/6 62/6 EPA 8020 00100000
 01 8/06 31 26/62/6 62/6 EPA 8020 00100000

0208/13020 0208/13020 0208/13020

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NAME	ADDRESS	PHONE	EXTRACTED	TEST DATE	REASON	QUANTITY	ITEMS	TEST NO.
			NOV 1	2000-08-28	00100000	00100000	00100000	00100000
			NOV 1	2000-08-28	00100000	00100000	00100000	00100000
			NOV 1	2000-08-28	00100000	00100000	00100000	00100000
			NOV 1	2000-08-28	00100000	00100000	00100000	00100000
			NOV 1	2000-08-28	00100000	00100000	00100000	00100000
			NOV 1	2000-08-28	00100000	00100000	00100000	00100000

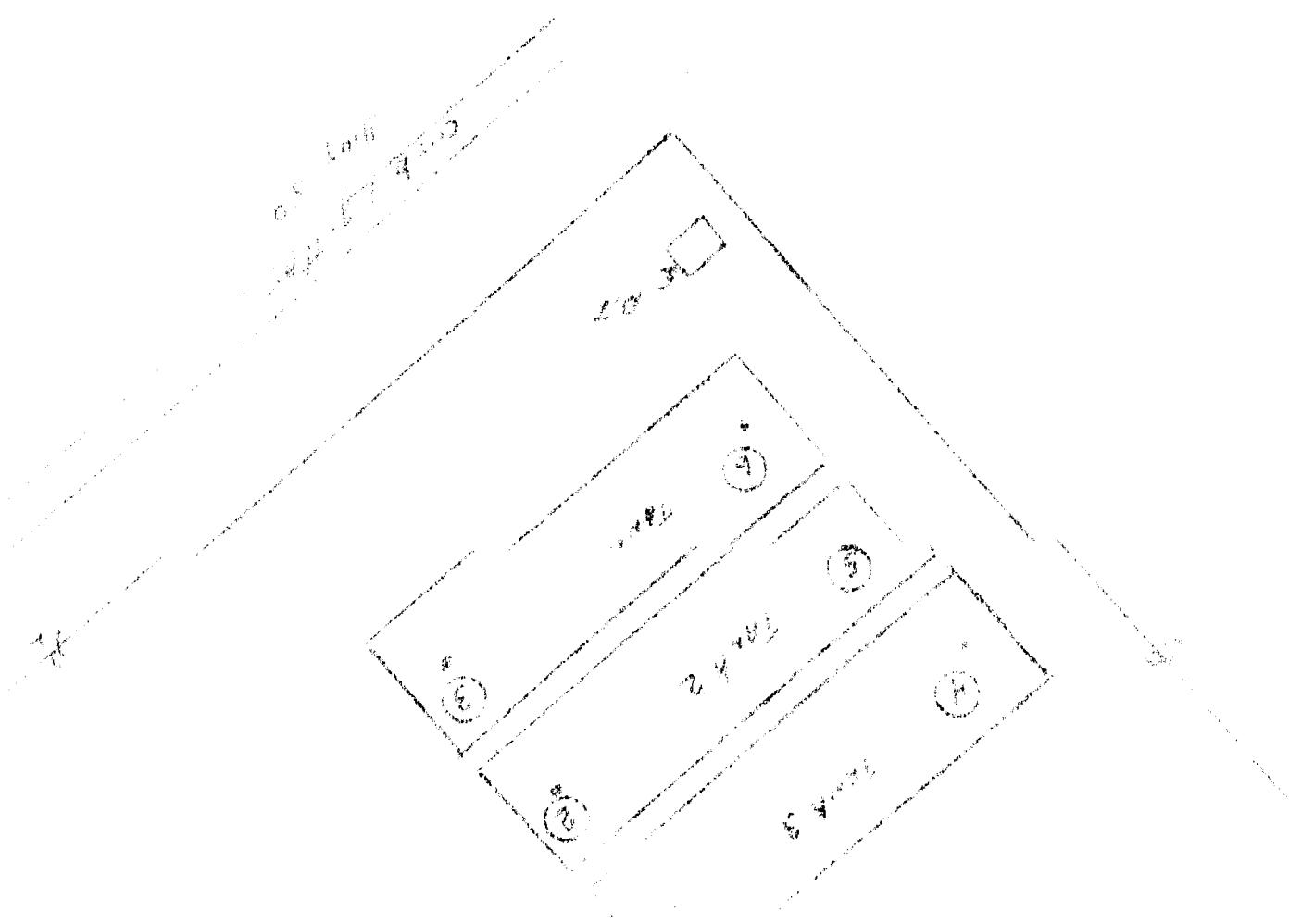
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ALPINA ANALYTICAL LABORATORIES INC. • 850 Waugn Lane, H-1, Ukarah, California 95482
 ORGANIC EXAMINATION REPORT (107) 468-0402

alpha

Zn - Cd - Sulfide

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2010 RELEASE UNDER E.O. 14176

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

COUNTY OF
EL DORADO

ENVIRONMENTAL MANAGEMENT DEPARTMENT

AIR POLLUTION CONTROL DISTRICT

ENVIRONMENTAL HEALTH DIVISION

SOLID WASTE & HAZARDOUS MATERIALS DIVISION



MAIN OFFICE:
2850 Fairlane Court
Building C
Placerville, CA 95667
(916) 621-5300

SOUTH LAKE TAHOE OFFICE:
1350 JOHNSON BLVD.
P.O. BOX 14306
SOUTH LAKE TAHOE, CA 95702
(916) 573-3145

August 14, 1992

161

Tahoe Asphalt Inc.
P.O. Box 40
Watsonville, CA 95077

SUBJECT: Emissions Inventory Plan - Air Toxics "Hot Spots"
Information and Assessment Act of 1987 Workshop

Dear Facility Owner/Operator,

In order to be in compliance with California's Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB2588), your facility at 1104 Industrial Avenue, South Lake Tahoe, California, is required to submit a comprehensive emissions inventory plan to the El Dorado County Air Pollution Control District (APCD). You may have been made aware of this legislation through the public notice process and by various documents from the California Air Resources Board (ARB). The original date for submission of the inventory plan was August 1, 1990. A workshop relating to the general requirements and compliance schedules of this legislation will be presented by the APCD at 9:00a.m. on September 21, 1992, at the Board of Supervisors Meeting Room, Building A, 330 Fair Lane, Placerville, CA 95667.

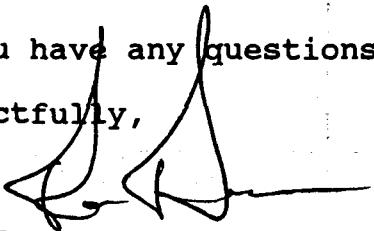
All requirements for the emission inventory plan can be found in the California Air Resources Board's Emission Inventory Criteria and Guidelines Regulation. The most recent version of the Guidelines Regulation became effective on January 30, 1992, and is available from the County's APCD and/or ARB. Please utilize this version for your plan.

Tahoe Asphalt Inc.

Page two

If you have any questions, please contact our office at 621-6662.

Respectfully,


Ronald D. Duncan, REHS
Air Pollution Control Officer

cc: Jim Thompson, APCD
Michael Guzzetta, REHS

ENVIRONMENTAL MANAGEMENT DEPARTMENT

COUNTY OF
EL DORADO

AIR POLLUTION CONTROL DISTRICT

ENVIRONMENTAL HEALTH DIVISION

SOLID WASTE & HAZARDOUS MATERIALS DIVISION



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7563 GREEN VALLEY ROAD
PLACERVILLE, CA 95667
(916) 621-5300

SOUTH LAKE TAHOE OFFICE:
1350 JOHNSON BLVD.
P.O. BOX 14506
SOUTH LAKE TAHOE, CA 95702
(916) 573-3145

#167

August 4, 1992

Tahoe Asphalt, Inc.
P.O. Box 8378
South Lake Tahoe, CA 95731-1378

SUBJECT: Midas Muffler, 2709 Hwy 50, South Lake Tahoe, CA -
Contaminated Soil Analysis

Dear Mr. Crawford:

The Air Pollution Control District has received and reviewed the contaminated soil analysis from Alpha Analytical Laboratories, Inc. for Midas Muffler, 2709 Hwy 50, South Lake Tahoe, CA. The soil analysis indicates the resultant concentrations of concern do not exceed emission thresholds for the baghouse or any State or Federal ambient standards.

The metals Chromium (6.6 mg/kg) and Zinc (37.0 mg/kg) are below the melting point of the fired material and will result in being encapsulated within the asphalt/aggregate matrix. With a 10 percent dilution, (Chromium 0.66 mg/kg) and Zinc (4.0 mg/kg) are well below any thresholds that might impact the air emissions of the baghouse.

As we discussed previously, the material is to be used in accordance with the understanding that all contaminated soils are to be used at a mixture no greater than 10 percent of the feed (by weight) to the hot mix process. The latest production capacity was determined to be up to 163.5 tons of asphalt per hour.

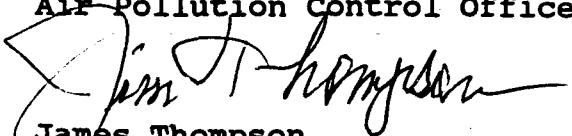
With the above understanding, the District will release to Tahoe Asphalt, Inc. the contaminated soil (<50 yds) from Midas Muffler, 2709 Hwy 50, South Lake Tahoe, California for its use at their Tahoe Asphalt Plant. It should be noted the soil analysis will remain in the permitted source file for documentation, along with this correspondence.

Tahoe Asphalt, Inc.
August 4, 1992
Page 2

If you have any questions, please do not hesitate to contact this office at (916) 621-6662.

Sincerely,

Ronald D. Duncan, REHS
Air Pollution Control Officer



James Thompson
Air Pollution Control Program Coordinator

cc: Ronald D. Duncan, REHS, APCO
Michael Guzzetta, REHS, APCD
FILE

c:\wp51\work\midasmuf.air

MON 16 93 ENV T MGMT DEP

P-01

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX# (916) 626-7130

DATE: 7-27-92

TO: JIM THOMPSON

FROM: MARCY

ATT:

DEPT:

FAX#:

PHONE#:

If there are any problems in receiving this FAX, please call (916) 621-5300.

MESSAGE:

It's OK IN writing to TAKE SOIL TO ASPHALT PLANT

c. 50 yds³

4 To: Herbert Cromell
P.O. Box 7268



Alpha Analytical Laboratories Inc

860 Waugh Lane, H-1, Ukiah, California 95482

(707) 468-0401

CHEMICAL EXAMINATION REPORT

Thomas Haen Company, Inc.
P.O. Box #998
South Lake Tahoe, CA 95703

Date Printed
7/17/92Page
1

Waste Oil

Item Number Receipt Date Client Client P.O. Send Via
12160706-001 07/06/92 FOMHAEN Mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	ML	OIL
--	--------	-----------	-----------	--------	-------	----	-----

Report No. 12160706-001 consisted of 2 samples and 18 Tests

Sampled at: Hidas Muffler, 2709 Hwy 50 So Lake Tahoe
from oil tank

Sampled by: Tom Haen Sampled: 7/02/92 16:00

Oil & Grade		88200&F	7/16/92	<u>160</u>	ug/g	50	pp
TPK Gasoline W/STAB	LUFT/8020						
TPK - Gasoline	LUFT	7/06	7/06/92	ND	ug/g	1	
Benzene	EPA 8020	7/09	7/09/92	ND	ug/g	.005	
Toluene	EPA 8020	7/09	7/09/92	ND	ug/g	.005	
Ethylbenzene	EPA 8020	7/09	7/09/92	ND	ug/g	.005	
Xyloane	EPA 8020	7/09	7/09/92	ND	ug/g	.005	
TPK - Diesel	LUFT	7/14	7/14/92	ND	ug/g	.005	
Halogenerated Volatile Organics	EPA 8010		7/09/92	ND	ug/g	1	
Bromodichloromethane				ND	ug/g	0.3	
Bromomethane				ND	ug/g	0.3	
Bromoform				ND	ug/g	0.3	
Carbon Tetrachloride				ND	ug/g	0.3	
2-Chloroethylvinyl ether				ND	ug/g	0.3	
Chlorobenzene				ND	ug/g	0.3	
Chloroethane				ND	ug/g	0.3	
Chloroform				ND	ug/g	0.3	
Chloromethane				ND	ug/g	0.3	
Dibromochloromethane				ND	ug/g	0.3	
1,1-Dichloroethylene				ND	ug/g	0.3	
trans-1,2-Dichloroethylene				ND	ug/g	0.3	
Dichlorodifluoromethane				ND	ug/g	0.3	
1,1-Dichloroethene				ND	ug/g	0.3	
1,2-Dichloroethene				ND	ug/g	0.3	
1,2-Dichlorobenzene				ND	ug/g	0.3	

IL = Minimum Detection Limit ND = None Detected

* Indicates Detection at or beyond the detection limit

ITEMS:

Bruce L. Gove

Lurex & Gloria

LABORATORY DIVISION



Alpha

Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

(707) 468-0401

CHEMICAL EXAMINATION REPORT

Thomas Haen Company, Inc.
P.O. Box 8998
South Lake Tahoe, CA 93703

Date Printed
7/17/92

P.D.

100, TA O/C

Batch Number	Receipt Date	Client	Client P.O.	Send Via
92-0706-001	07/06/92 08:40	TONHAEN		MDLT

(Sample 1 Midas Muffler, 2709 Hwy 50 So Lake Tahoe -- continued)	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MOL
1,3-Dichlorobenzene	✓	✓	✓	ND	ug/g	0.3
1,4-Dichlorobutene	✓	✓	✓	ND	ug/g	0.3
1,2-Dichloropropane	✓	✓	✓	ND	ug/g	0.3
cis-1,3-Dichloropropylene	✓	✓	✓	ND	ug/g	0.3
trans-1,3-Dichloropropylene	✓	✓	✓	ND	ug/g	0.3
Methylene Chloride	✓	✓	✓	ND	ug/g	0.3
1,1,2,2-Tetrachloroethane	✓	✓	✓	ND	ug/g	0.3
Tetrachloroethylene	✓	✓	✓	ND	ug/g	0.3
1,1,1-Trichloroethane	✓	✓	✓	ND	ug/g	0.3
1,1,2-Trichloroethane	✓	✓	✓	ND	ug/g	0.3
Trichloroethylene	✓	✓	✓	ND	ug/g	0.3
Trichlorofluoromethane	✓	✓	✓	ND	ug/g	0.3
Vinyl Chloride	✓	✓	✓	ND	ug/g	0.3
cis-1,2-Dichloroethylene	✓	✓	✓	ND	ug/g	0.3

Metals

Cadmium	7130	7/17/92	ND	mg/kg	1
Chromium	7190	7/14/92	ND	mg/kg	5
Zinc	7930	7/16/92	37	mg/kg	10
Nickel	7320	7/15/92	ND	mg/kg	10
Lead	7420	7/17/92	ND	mg/kg	5

Sample 2 → Midas Muffler, 2709 Hwy 50 So Lake Tahoe
Gasoline Tank

Sample Types Soil Sampled by: Tom Haen
BTXE detection limits are 10 times higher than
usual due to matrix interferences.

Sampled: 7/02/92 13:00

MOL = Minimum Detection Limit ND = None Detected
* = Indicates Detection limit altered due to sample dilution

NOTE(S):

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 7/17/92 KQ



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482
(707) 468-0401

CHEMICAL EXAMINATION REPORT

Thomas Mann Company, Inc.
P.O. Box 8998
South Lake Tahoe, CA 95703

Date Printed
7/17/92

Page
3

1200-001

Project Number Receipt Date Client Client P.O. Send Via
1200-001 07/06/92 TOMMABN Mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MOL	DIS
Sample # 1200-001 (Gas Station, 2700 Hwy 30 So Lake Tahoe -- continued)							
Toluene	LUF1/8020	7/06	7/08/92	170	ug/g	1	
Terpenes	EPA 8020	7/06	7/08/92	ND	ug/g	.09	
Terpenes	EPA 8020	7/06	7/08/92	.11	ug/g	.09	
Ethylbenzene	EPA 8020	7/06	7/08/92	.16	ug/g	.03	
Xylenes	EPA 8020	7/06	7/08/92	.89	ug/g	.09	

MOL = Minimum Detection Limit ND = None Detected
* = Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove

Bruce L. Gove

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
Facsimile Cover Sheet
FAX# (916) 542-3364

10/6/92

+ one in 13
VitraneDATE: 10/6/92 Jim Thompson
TO: _____
ATTN: _____
FAX # _____FROM: Mary
DEPT: _____
PHONE: _____

If there are any problems in receiving this FAX, please call (916) 573-3145.

Message:

Page 1 of 10*File*

Stockpiled Soil Sample results

for Beacon #688 → They

want to take 250 cu yd

to Tarmac AsphaltA Carolyn Nunes will
call you later for the OK

Thanks!



(stackpile)

Sample Log 4905
1992-9

Sample: SP1->SP4

From : Beacon 608 (Project # 40-92-806)

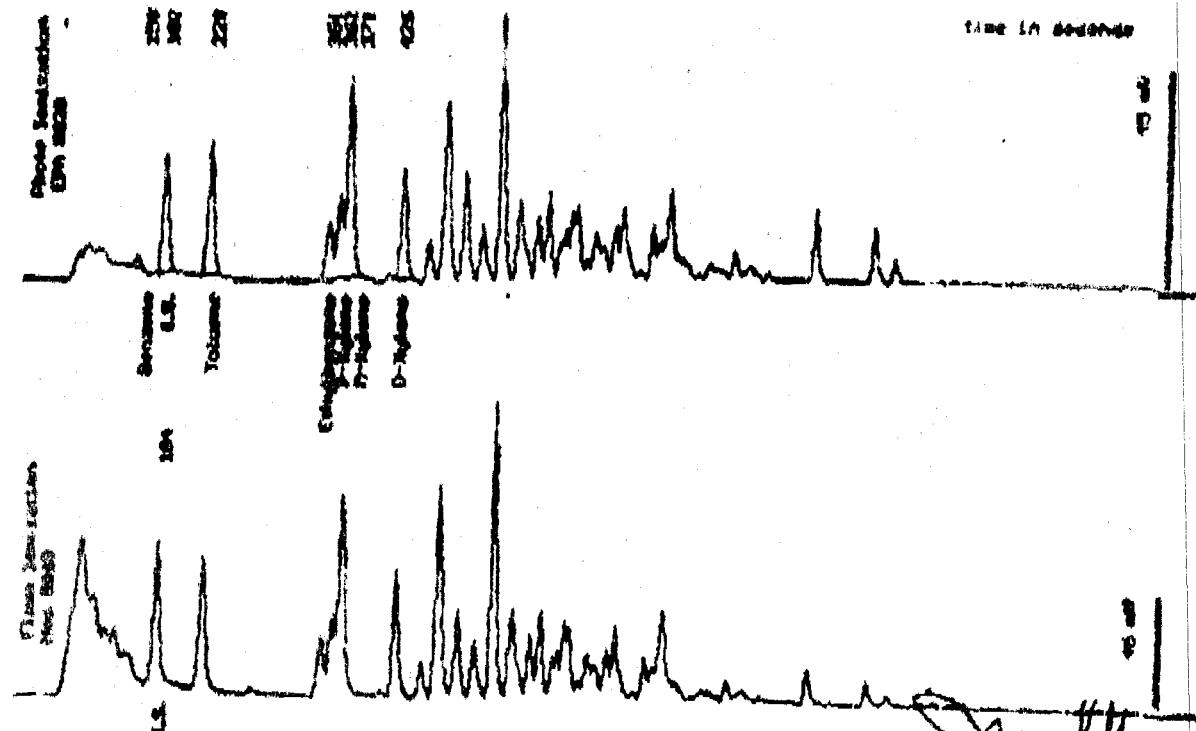
Sampled : 08/20/92

Dilution : 1:100

QC Batch : 4051b

Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
Benzene	(.50)	.08
Toluene	(.50)	1.2
Ethylbenzene	(.50)	6.4
Total Xylenes	(.50)	37
TPH as Gasoline	(50)	350



Date Analyzed: 08-21-92
Column: 6 ft 1/8in ID x 2m packed (10% Activated)

Jan 1992
Date Analyzed
Column: 6 ft 1/8in ID x 2m packed (10% Activated)

WEST*S. Stoeckpke*Sample Log 4905
4905-10

Sample: SPS->SP8

From : Beacon 688 (Project # 40-92-806)

Sampled : 08/20/92

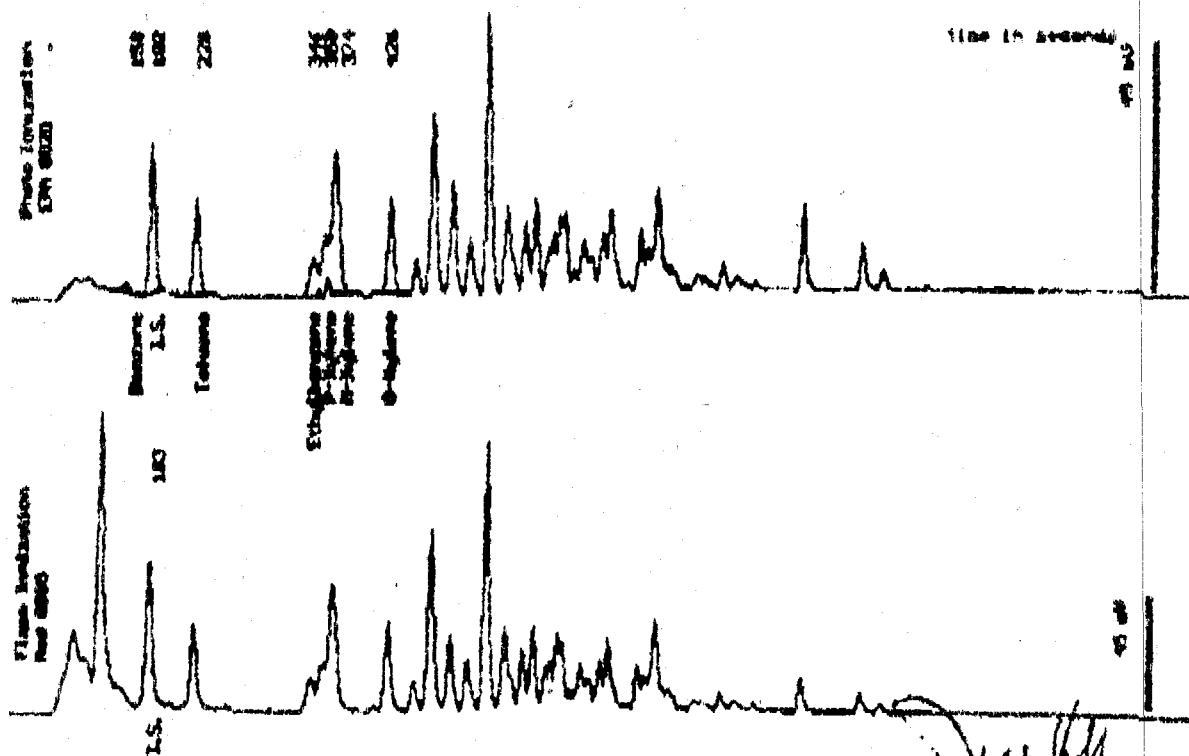
Dilution : 1:100

QC Batch : 4051b

Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
Benzene	(.50)	<.50
Toluene	(.50)	6.7
Ethylbenzene	(.50)	4.1
Total Xylenes	(.50)	26
TPH as Gasoline	(50)	290

PPM



Date Analyzed: 08-21-92
 Column: 0.53mm ID X 50m DB45X (Waters Scientific)

Jean Kuss
 Senior Chemist

WEST

Stockpile

Sample Log 4905

4905-11

Sample: SP9->SP12

From : Beacon 666 (Project # 40-92-806)

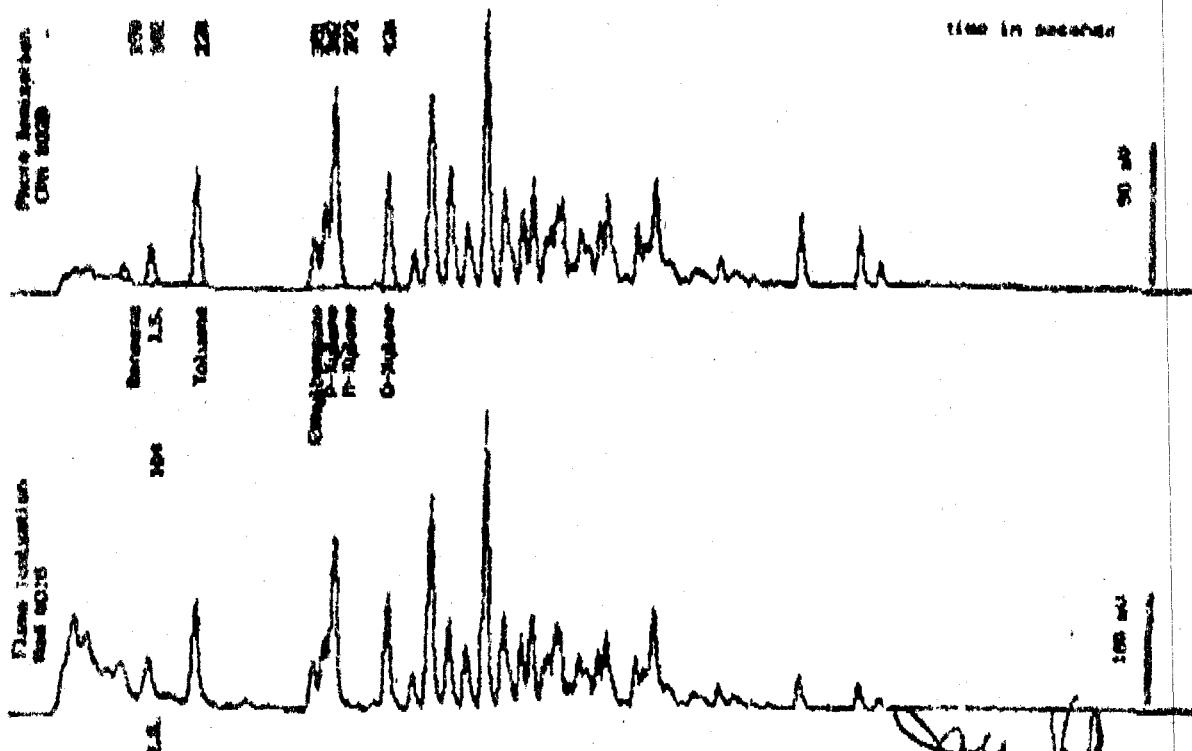
Sampled : 08/20/92

Dilution : 1:100

QC Batch : 4051B

Matrix : Soil

Parameter	(MDL) mg/mg	Measured Value mg/mg	ppm
Benzene	(.50)	3.4	
Toluene	(.50)	31	
Ethylbenzene	(.50)	17	
Total Xylenes	(.50)	120	
TPH as Gasoline	(50)	930	



Date Analyzed: 08-21-92
 Column: 6' 0.50mm ID X 30m DB-5 (J\W Scientific)

Joyce Kato
 Sample Operator

WEST

Stockpile

Sample Log 4905
4905-2

Sample: SP13->SP16

From : Beacon 686 (Project # 40-92-006)

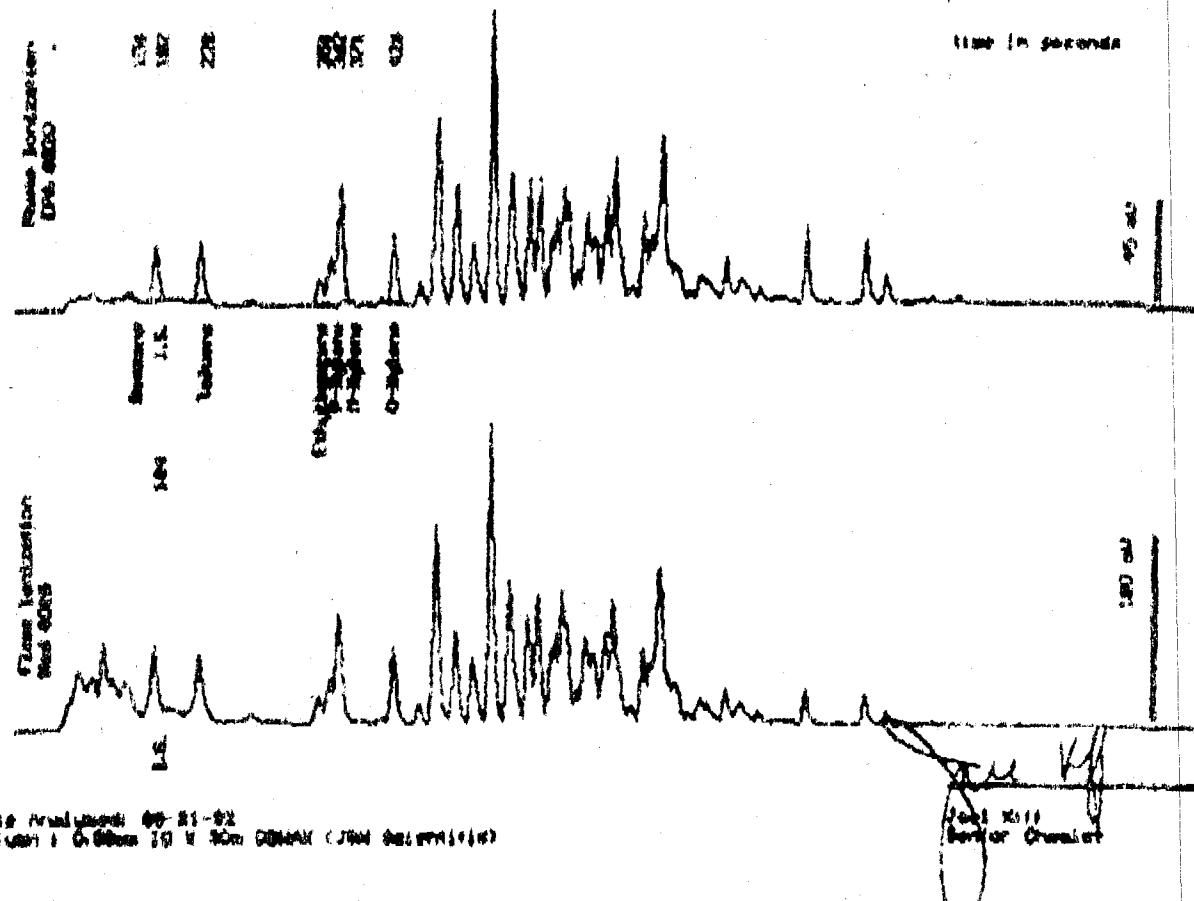
Sampled : 08/20/92

Dilution : 1:10

QC Batch : 4901B

Matrix : Soil

Parameter	(MDL) mg/m ³	Measured Value mg/m ³
Benzene	(.050)	.31
Toluene	(.050)	5.9
Ethylbenzene	(.050)	2.9
Total Xylenes	(.050)	24
TPH as Gasoline	(5.0)	360





Stockpile

Sample Log 4905

1000-1

Sampler: SP17->SP20

From : Beacon 688 (Project # 40-92-806)

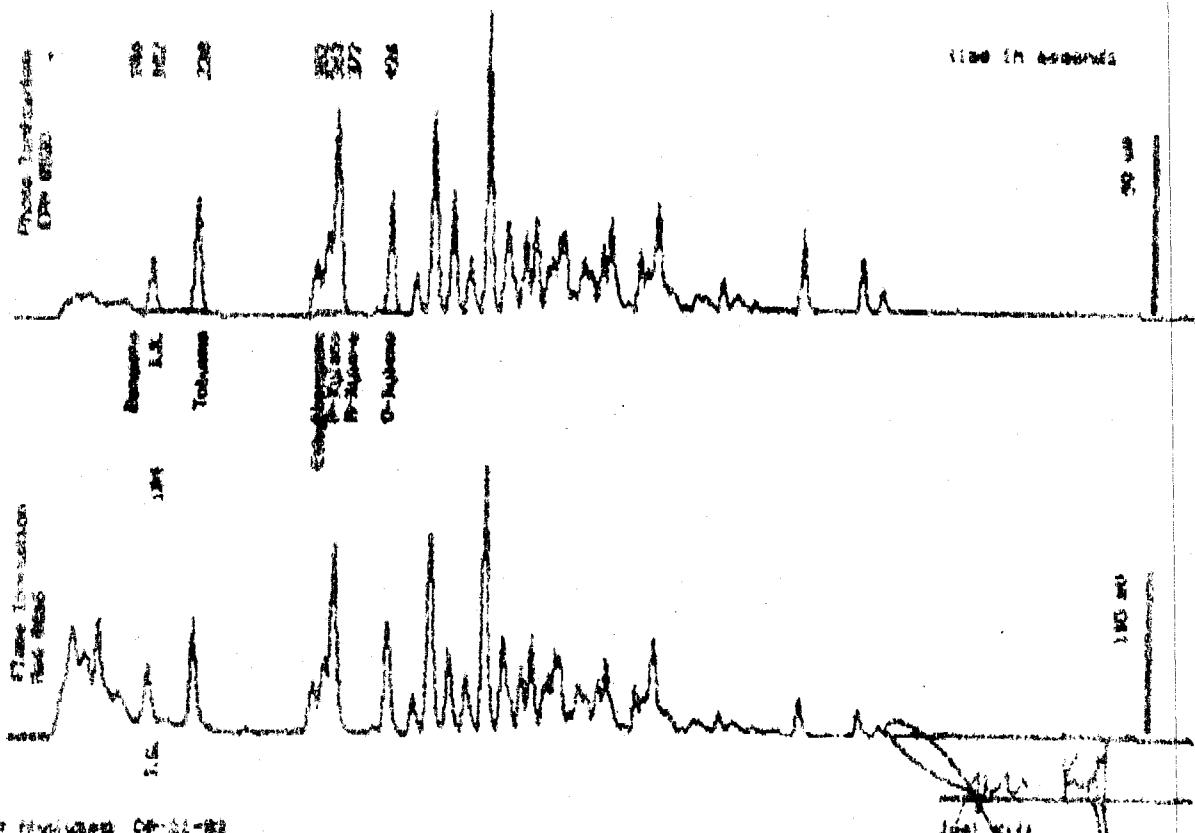
Sampled : 08/20/92

Duration : 1:100

GC Batch : 4905b

Matrix : Soil

Parameter	(MDL) ppm	Measured Value ppm
Benzene	(.50)	.82
Toluene	(.50)	22
Ethylbenzene	(.50)	14
Total Xylenes	(.50)	89
TPX as Gasoline	(50)	730



Gas Chromatograph: 40-92-806
Detector: TCD 10 x 30m DB-50 (30m Scientific)

Date: 8/21/92
Batch: 4905b

TO	Jim			DATE	7/22	TIME	10:11
FROM	Chuck Taylor			AREA CODE	916	NUMBER	
OF	City of SLT			573-2030			
MESSAGE	<p>Sir he needs to take over of Taylor Asphalt - wants to know how to can get appraisal.</p>						
URGENT	<input type="checkbox"/>	RETURNED CALL	<input type="checkbox"/>	CALL BACK	<input checked="" type="checkbox"/>	WILL CALL AGAIN	<input type="checkbox"/>
PHONED	<input type="checkbox"/>	WANTS TO SEE YOU	<input type="checkbox"/>	WAS IN	<input type="checkbox"/>	<p>SIGNS: </p>	

167

Date: 7-22-92Time: 11:10

CITY OF SOUTH LAKE TAHOE

Public Works Department

FAX TRANSMISSION FORM

40-50 yds. of asphalt
OK to asphalt
7-22-92
9 AM
9 Call to
Tahoe
Asphalt

DESTINATION INFORMATION:

TO: Jim ThompsonCOMPANY: El Dorado Co.FAX TELEPHONE NUMBER: 1-642-1531INCLUDING THIS PAGE THERE ARE 9 PAGES TO
TRANSMIT.FROM: Chuck TaylorTITLE: Assoc. CG

COMMENTS: Lab results for soil samples taken from ground below tanks removed at Stateline Garage. Tanks contained asphalt. Proposed clean up is to excavate all suspect soil from tank location and haul to Tahoe Asphalt plant for use in AC. I
FAX NUMBER, twenty-four (24) hours per day, seven (7) days per week:
916-541-7524.....TELEPHONE NUMBER: 916-573-2030

Need your approval prior to hauling.

 PLEASE NOTE NEW MAILING ADDRESS FOR PUBLIC WORKS
 1900 LAKE TAHOE BOULEVARD, SOUTH LAKE TAHOE, CA 96150-6323



With Automation In Mind

Analytical Laboratory Division
 Mobile Laboratory Division
 Scientific Division

Method 6010 (CAM 5) Soil Analysis Report

Attention: Mr. Chuck Taylor
 City of South Lake Tahoe
 1900 Lake Tahoe Blvd
 SLT, CA 96150

Date Sampled: Jul. 7, 1992
 Date Received: Jul. 9, 1992
 Date Analyzed: Jul. 13, 1992

Project #: 48022

Project Name: State Line Garage
 Tank Removal
 ST92-07-330A

Client ID: HWY 50

LAB ID:

Matrix: Soil

Dilution:

Name	Amount	Reporting Limits	Units
Cadmium (Cd)	ND	0.5	mg/kg
Chromium (Cr)	5.2	1.0	mg/kg
Lead (Pb)	9.8	2.5	mg/kg
Nickel (Ni)	NR	1.0	mg/kg
Zinc (Zn)	20	1.0	mg/kg

ppm ~ parts per million ~ mg/kg ~ milligrams per kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

NR = Not Requested.

R. L. James, Principal Chemist

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
 DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
 (Certification No. 1614)



With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Method 6010 (CAM 5) Soil Analysis Report

Attention: Mr. Chuck Taylor
City of South Lake Tahoe
1800 Lake Tahoe Blvd
SLT, CA 96150

Date Sampled: Jul. 7, 1992
Date Received: Jul. 9, 1992
Date Analyzed: Jul. 13, 1992

Project #: 46022

Project Name: State line Garage
Tank Removal
ST92-07-335A

Client ID: 8

LAB ID:

Matrix: Soil

Dilution:

Name	Amount	Reporting Limits	Units
Cadmium (Cd)	ND	0.5	mg/kg
Chromium (Cr)	5.2	1.0	mg/kg
Lead (Pb)	4.7	2.5	mg/kg
Nickel (Ni)	NR	1.0	mg/kg
Zinc (Zn)	16	1.0	mg/kg

ppm = parts per million = mg/kg = milligrams per kilogram

ND = Not Detected - Compound(s) may be present at concentrations below the detection limit.

NR = Not Requested.

R. L. James, Principal Chemist

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Identification No. 1014)



With Automation in Mind

 Analytical Laboratory Division
 Mobile Laboratory Division
 Scientific Division

 Metals, CAM 5 Soil
 LCS / LCSD Recoveries

Date of Analysis: 7/13/92

Units : (mg/Kg)

Element	Spike Conc.	LCS	% Recovery	Duplicate LCS	Duplicate % Recovery	% RSD
Cadmium (Cd)	3.76	4.3	114.7%	4.8	128.0%	11%
Chromium (Cr)	10	12	120.0%	12	120.0%	0%
Lead (Pb)	25	25	100.0%	28	112.0%	11%
Nickel (Ni)	25	27	108.0%	29	116.0%	7%
Zinc (Zn)	25	20	80.0%	23	92.0%	14%

ppm = parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

NR = Not Requested.

R. L. James, Principal Chemist

7-13-92

Date

 SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
 DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
 (Certification No. 1814)



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8020/8015 Modified Analysis Report

Attention: Mr. Chuck Taylor
 South Tahoe Redevelopment
 1900 Lake Tahoe Blvd
 SLT., CA 96150

Date Sampled: Jul. 7, 1992
 Date Received: Jul. 9, 1992
 Date Analyzed: Jul. 14, 1992

Project #: 46022 Project Name: State line Garage
 Tank Removal

Client ID: HWY 50 LAB ID: ST92-07-326A
 ST92-07-327A

Matrix: Soil Dilution:

Name	Amount	Detection Limit	Units
Benzene	0.008	0.005	ug/g
Toluene	0.010	0.005	ug/g
Ethylbenzene	0.027	0.005	ug/g
Xylenes	0.014	0.005	ug/g
TPHgas	ND	1.0	ug/g
TPHdiesel	28	1.0	ug/g

Surrogate % Recovery of Trifluorotoluene =

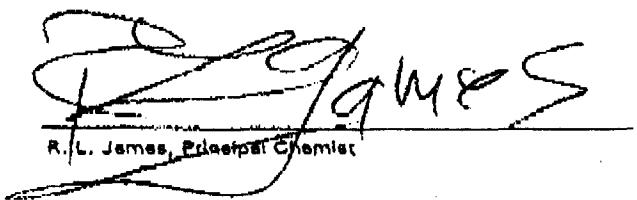
ppb = parts per billion = ug/kg = micrograms per kilogram

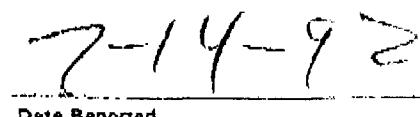
ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

NR = Analyte not requested.

* = Matrix Interference.


 R.L. James, Principal Chemist


 Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
 DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY

(Certification No. 1614)



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8020/8015 Modified Analysis Report

Attention: Mr. Chuck Taylor
South Tahoe Redevelopment
1800 Lake Tahoe Blvd
SLT., CA 96150

Date Sampled: Jul. 7, 1992
Date Received: Jul. 9, 1992
Date Analyzed: Jul. 15, 1992

Project #: 46022

Project Name: State line Garage
Tank Removal
ST92-07-331A
ST92-07-332A

Client ID: 8

LAB ID:

Matrix: Soil

Dilution:

Name	Amount	Detection Limit	Units
Benzene	ND	0.005	ug/g
Toluene	ND	0.005	ug/g
Ethylbenzene	ND	0.005	ug/g
Xylenes	ND	0.005	ug/g
TPHgas	ND	1.0	ug/g
TPHdiesel	ND	1.0	ug/g

Surrogate % Recovery of Trifluorotoluene = 100%

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

NR = Analysis not requested.

* = Matrix Interference.

R. L. James, Principal Chemist

7-19-92

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1014)



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8020 Modified Laboratory Control Spike (LCS) BTEX Analysis Report

Attention:	Mr. Chuck Taylor South Tahoe Redevelopment 1800 Lake Tahoe Blvd. SLT, CA 96150	Date Sampled:	Jul. 7, 1992
		Date Received:	Jul. 9, 1992
		Date Analyzed:	Jul. 14, 1992
Project #:	46022	Project Name:	State Line Garage Tank Removal
Client ID:	LCS	LAB ID:	ST92-07-14LCS
Matrix:	Soil	Dilution:	

Name	Conc. Spike Added	Sample Result	Conc. LCS	Units	LCS % Recovery
Benzene	30 ppb	ND	30	ug/kg	100%
Toluene	30 ppb	ND	30	ug/kg	100%
Ethylbenzene	30 ppb	ND	30	ug/kg	100%
Xylenes	30 ppb	ND	29	ug/kg	97%

Surrogate % Recovery of Trifluorotoluene = 97%

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R.C. James, Principal Chemist

7/14/92

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Attention:	Mr. Chuck Taylor South Tahoe Redevelopment 1900 Lake Tahoe Blvd SLT, CA 96150	Date Sampled:	Jul. 7, 1992
		Date Received:	Jul. 9, 1992
		Date Analyzed:	Jul. 16, 1992
Project #:	46022	Project Name:	State line Garage Tank Removal
Client ID:	HWY 50	LAB ID:	ST92-07-328A
Matrix:	Soil	Dilution:	

Name	Amount	Detection Limit	Units
Oil & Grease	100	50	ug/g

ppb = parts per billion = ug/kg = microgram per kilogram

ppm = parts per million = ug/g = microgram per gram

N.D. = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

7-1572
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1814)

07/22/92

11:13

009

07/21/92

08:51

YARGER TECH - 15417524

009



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Attention:	Mr. Chuck Taylor South Tahoe Redevelopment 1900 Lake Tahoe Blvd SLT, CA 96160	Date Sampled:	Jul. 7, 1992
		Date Received:	Jul. 9, 1992
		Date Analyzed:	Jul. 15, 1992
Project #:	46022	Project Name:	State line Garage Tank Removal
Client ID:	8	LAB ID:	ST92-07-333A
Matrix:	Soil	Dilution:	

Name	Amount	Detection Limit	Units
Oil & Grease	ND	50	ppm

ppb = parts per billion = ug/kg = microgram per kilogram

ppm = parts per million = ug/g = microgram per gram

ND = Not Detected. Compounds may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

7/15/92

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA

DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY

(Certification No. 1614)

Called 7-22-92 OK to mix

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX# (916) 626-7130

DATE: 7-17-92

TO: JIM THOMPSON

FROM: _____

DEPT: _____

PHONE#: _____

If there are any problems in receiving this FAX, please call (916) 626-7130.

Contractor would like to take <10 yds
soil to Asphalt plant- Please w/OK

Alpha Analytical, Inc.

226 Glendale Avenue, Suite 21

Sparks, Nevada 89431

(702) 355-1014

FAX: (702) 355-0406

1-800-253-1183

Boise, Idaho
(208) 336-41452810 W. Charleston, Suite G67
Las Vegas, Nevada 89102
(702) 386-6747**ANALYTICAL REPORT**Job#: Carson Tahoe Rents
Phone: (916) 541-1748
Attn: ArtPedersen Underground
927 Boise
South Lake Tahoe CA 96150

sampled: 06/23/92

Received: 06/24/92 Analyzed: 06/25-26/92

Matrix: [x] Soil [] Water [] Waste

Analysis requested: TPH - Total Petroleum Hydrocarbons-Extractable
 BTXE - Benzene, Toluene, Xylenes, Ethylbenzene
 TPH - Modified 8015/DHS LUFT Manual
 BTXE - Method 624/8240

Methodology:**Results:**

Project ID/ Lab ID	Parameter	Concentration	Detection Limit
Diezel Tank Sample #3 /PER062492-02	TPH	20	10 mg/Kg
	Benzene	ND	20 ug/Kg
	Toluene	ND	20 ug/Kg
	Total Xylenes	ND	20 ug/Kg
	Ethylbenzene	ND	20 ug/Kg
getosene tank Sample #2 /PER062492-03	TPH	880	100 mg/Kg
	Benzene	ND	20 ug/Kg
	Toluene	52	20 ug/Kg
	Total Xylenes	2,800	20 ug/Kg
	Ethylbenzene	132	20 ug/Kg

Approved by _____

Approved by _____, City of _____, Office _____

Date: 6/26/92



Enviro mental
Science &
Engineering, Inc.

Dakota Asphalt

#167

file

FACSIMILE

DATE: 6/4/92

TIME: 2:35 pm

TO: Jim Thompson FROM: ESE Kerry Lefever
El Dorado County
Env. Mngt Dept. 4090 Nelson Way, Suite J
Concord, CA 94520

FAX #: (916) 642-1531 JOB #: 6-90-5013

SUBJECT: Recycling of remediated soil from AT&T facility
 Number of Pages

(Including this Cover Sheet)

9

—

Called Kerry -
OK -

OK =
Called Russ Crawford
6-5-92

ADDITIONAL MESSAGE:

Enclosed, please find copy of ESE letter
dated 9/13/91.

If you have any questions, please call
Kerry

If you have any questions, please call us immediately at (510) 685-4053.



Environmental
Science &
Engineering, Inc.

September 13, 1991

ESE Project No. 6-90-5013

Mr. Jim Thompson
El Dorado County
Environmental Management Department
Placerville, California 95667

SUBJECT: Recycling of Remediated Soil at AT&T Cisco Butte Radio Relay Facility,
Placer County

Dear Mr. Thompson:

Environmental Science & Engineering, Inc. (ESE) requests permission to transport and recycle approximately 40 cubic yards of soil from the AT&T Cisco Butte facility, located at the Yuba Gap Exit off Interstate 80, Placer County, California to Tahoe Asphalt, located in South Lake Tahoe, El Dorado County. The soil consists of backfill and infill sand that was stockpiled in association with the removal of three underground storage tanks in September 1989. Soil samples were collected and analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G), Total Petroleum Hydrocarbons as Diesel (TPH-D), Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX), Total Lead, Ignitability (flash point), and Aquatic Toxicity during several sampling episodes. The soil has been remediated using enhanced natural biodegradation periodically since August 1990. Recent stockpile soil samples have been analyzed for TPH-D. Laboratory reports are included with this letter for your review.

Please expedite this request in a timely manner due to possible inclement weather in the coming months. Please send written approval to ESE, and if warranted, to the following:

Tahoe Asphalt
1104 Industrial Avenue
South Lake Tahoe, California 95158

Attention: Russ Crawford, Plant Manager

Mr. Jim Thompson
September 13, 1991
Page 2

Thank you for your cooperation. If you have any questions regarding this matter, please call the undersigned at (510) 685-4053.

Sincerely,
ENVIRONMENTAL SCIENCE & ENGINEERING, INC.

Kerry Lefever
Kerry Lefever
Senior Staff Geologist

Enclosure: Laboratory Reports

cc: Jerry Hickman, AT&T Cisco Butte
Ron Tamoush, AT&T Pleasanton
Brian Jones, Placer County Department of Environmental Health

F:\1\SOILRCY.LTR

RECEIVED AUG - 6 1991



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 07/31/91
DATE REPORTED: 08/06/91

LAB NUMBER: 104667

CLIENT: ENVIRONMENTAL SCIENCE & ENGINEERING

PROJECT ID: 6-90-5013

LOCATION: AT&T CISCO BUTTE

RESULTS: SEE ATTACHED

QA/QC Approval

Final Approval



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 104667
CLIENT: ENVIRONMENTAL SCIENCE & ENGINEERING
PROJECT ID: 6-90-5013
LOCATION: AT&T CISCO BUTTE

DATE RECEIVED: 07/31/91
DATE EXTRACTED: 08/01/91
DATE ANALYZED: 08/02-03/91
DATE REPORTED: 08/06/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg /Kg)	DIESEL RANGE (mg /Kg)	REPORTING LIMIT* (mg /Kg)
104667-1	SP-1	ND	37	1.0
104667-2	SP-2	ND	1,300	10

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %

RECOVERY, %

4

113

CHAIN OF CUSTODY RECORD									
DATE	PAGE	/	OR	/	ANALYSES TO BE PERFORMED	MATRIX	MATRIX	NUMBER OF CONTAINERS	REMARKS (CONTAINER, SIZE, ETC.)
PROJECT NAME	PROJECT ADDRESS	TIME	LOCATION						
Art Cisco Brattie	4090 Nelson Avenue Concord, CA 94520								
PROJECT NO.	6-90-5013								
SAMPLED BY	P. Marsden								
LAB NAME	Curtis & Tompkins								
SAMPLE #	DATE	TIME	LOCATION						
SP-1	7-26-91	14:20	30' M. file	X			Soil	1	
SP-2	"	14:26	30' M. file	X			"	1	Please contact Shannon O'Hare at (415) 685-4053 with questions
RELINQUISHED BY:	(Signature)	RECEIVED BY:	(Signature)	date	time	2	TOTAL NUMBER OF CONTAINERS		
1.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	7-19-91	1420			REPORT RESULTS TO:	SPECIAL SHIPMENT REQUIREMENTS
2.									
3.									
4.									
5.									
INSTRUCTIONS TO LABORATORY (handling, analyses, storage, etc.): Normal 5 day turnaround time.									
SAMPLE RECEIPT									
CHAIN OF CUSTODY SEALS									
REC'D GOOD CONDTN/COLD									
CONFORMS TO RECORD									



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

DATE RECEIVED: 07/16/91
DATE REPORTED: 07/23/91

LAB NUMBER: 104517

CLIENT: ENVIRONMENTAL SCIENCE & ENGINEERING, INC.

PROJECT ID: 6-90-5013

LOCATION: AT&T, CISCO BUTTE

RESULTS: SEE ATTACHED

RECEIVED JUL 24 1991

[Signature]
QA/QC Approval

[Signature]
Final Approval



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 104517
 CLIENT: ENVIRONMENTAL SCIENCE & ENGINEERING
 PROJECT ID: 6-90-5013
 LOCATION: AT&T, CISCO BUTTE

DATE RECEIVED: 07/16/91
 DATE EXTRACTED: 07/17/91
 DATE ANALYZED: 07/20, 22/91
 DATE REPORTED: 07/23/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104517-1	SS-1	ND	21	1.0
104517-2	SS-2	ND	960	10

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	14
RECOVERY, %	83

DATE 7/13/91 PAGE 1 OF 1

PROJECT NAME ESE-CONCORD

ADDRESS 617 SSCO Bufile

4090 Nelson Ave, Suite J

Concord, CA 94520

PROJECT NO. 6-21213

SAMPLED BY S. Mandel

LAB NAME Clark & Tompkins

CHAIN OF CUSTODY RECORD

Environmental
Science &
Engineering, Inc.4090 Nelson Avenue
Concord, CA 94520
(415) 685-40534090 Nelson Avenue
Suite J
Concord, CA 94520
Fax (415) 685-4053

SAMPLE #	DATE	TIME	LOCATION	MATRIX	ANALYSES TO BE PERFORMED		REMARKS (CONTAINER, SIZE, ETC.)
					M	N U O M N T R E A T R I O F R E S	
SS-1	7/12	11:55	Cisco Bufile	X			TPH-diesel
SS-2	7/12	12:00	Cisco Bufile	X			

Sci/1

Place call Shandor

Office at

(415) 685-4053

With questions

1. FAX RELINQUISHED BY: (signature)	RECEIVED BY: (signature)	DATE	TIME	TOTAL NUMBER OF CONTAINERS		
2. Character Date 7/16/91	Signature	7/16/91	10:00	REPORT	RESULTS TO:	SPECIAL SHIPMENT REQUIREMENTS
3. 33	Signature	7/16/91	11:55			
4.						
5.						

14. INSTRUCTIONS TO LABORATORY (handling, analyses, storage, etc.):

Normal 5 day turnaround

GROUNDWATER
TECHNOLOGY, INC.

Phone call to Asphalt
Crawford Park 6-2205
6-2205 OK

1401 Halyard Drive, Suite 140, West Sacramento, CA 95691, (916) 372-4700

Fax (916) 372-8781

TELECOPY MESSAGE

DATE: 6-19-92

TIME: 2:37

TO: Jim Crawford, El Dorado County - APCD

FROM: Martin Ostendorf, Denise Scriven

ICR# 1220 1994

642-1531

FILE COPY #: 129-62 [REDACTED]

NUMBER OF PAGES (including cover page): 10

REPLY REQUESTED FOLLOW-UP REQUEST REVIEW/APPROVE

COMMENTS: The attached lab results are for the 100 to 100
gallon soil pile which we would like to transport to the
other Asphalt Co for Treatment. This soil has been
generated at the former Texaco Service located at 3987
Elkay St. in South Lake Tahoe, California. Please review
the attached lab results and Denise Scriven will call
you Monday morning for approval. We will transport
this material next week.

If you do not receive all of my pages, please call: (916) 372-4700

CHAIN OF CUSTODY REPORT

REPORT TO Project Manager: John Bower		TURNAROUND TIME: 7 Days	
PLEASE SEND ONE TO ONE DIFFERENT FROM REPORT ADDRESS Texaco Environmental 1015 Bradshaw Road		8 Hrs.	24 Hrs.
ADDRESS: City, State: Sacramento, CA		72 Hrs.	5 Hrs.
P.O. #/BILLING RECEIPT #: Texaco, DEH 136		120 Hrs.	1 Hr.
DATE: 95-05-27 AT: Mr. Dave Heinrich			
PROJECT NUMBER: Texaco - 388705 Hwy 50 South Lake Tahoe, CA Order # 1849			
ANALYSIS REQUESTED			
DATE: 5-5-92			
SAMPLE #: SP-2 ABCD			
SAMPLE DESCRIPTION: Soil			
NUMBER OF CONT.: 4			
TYPE: Soil			
SAMPLING DATE/DATE: 5-5-92			
REMARKS: Hold			
SAMPLE #: SP-2 EFGH			
SAMPLE DESCRIPTION: Soil			
NUMBER OF CONT.: 4			
TYPE: Soil			
SAMPLING DATE/DATE: 5-5-92			
REMARKS: Hold			
SAMPLE #: SP-2 ABCD			
SAMPLE DESCRIPTION: Soil			
NUMBER OF CONT.: 4			
TYPE: Soil			
SAMPLING DATE/DATE: 5-5-92			
REMARKS: Hold			
DATE: 5-12-92 TIME: 11:43 RECEIVED BY: <i>Chris Brink</i>			
DATE: 5-12-92 TIME: 12:05 RECEIVED BY: <i>Chris Brink</i>			
DISMISSED BY: <i>Martin O'Donnell</i>			
DISMISSED BY: <i>John M. McPherson</i>			
WERE SAMPLES PRESERVED? YES / NO <input checked="" type="checkbox"/>			
IN GOOD CONDITION? YES / NO <input checked="" type="checkbox"/>			



SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834
(916) 921-9600 • FAX (916) 921-0100

Groundwater Technology
1401 Halyard Drive, Suite 140
West Sacramento, CA 95691
Attention: John Bower

Client Project ID: Texaco, 3987 U.S. Hwy 50, So. Lake Tahoe
Sample Descript: TCLP Extract of Soil, Composite of
SP-2E - SP-2H
Lab Number: 205-0271

Sampled: May 5, 1992
Received: May 12, 1992
Extracted: May 16, 1992
Analyzed: May 18, 1992
Reported: May 20, 1992

TCLP ORGANICS

Analyte	EPA HW No.	Detection Limit	Regulatory Level	Sample Results
VOLATILES	D.L Factor: 1	mg/L (ppm)	mg/L (ppm)	mg/L (ppm)
Benzene.....	D018	0.020	0.5	N.D.
Carbon tetrachloride.....	D019	0.020	0.5	N.D.
Chlorobenzene.....	D021	0.020	100	N.D.
Chloroform.....	D022	0.020	6	N.D.
1,2-Dichloroethane.....	D028	0.020	0.5	N.D.
1,1-Dichloroethylene.....	D029	0.020	0.7	N.D.
Methyl ethyl ketone.....	D035	0.10	200	N.D.
Tetrachloroethylene.....	D039	0.020	0.7	N.D.
Trichloroethylene.....	D040	0.020	0.5	N.D.
Vinyl chloride.....	D043	0.020	0.2	N.D.
SEMI-VOLATILE	D.L Factor: 1			
o-Cresol.....	D023	0.0080	200	-
m-, p-Cresol.....	D024, D025	0.0080	200	-
1,4-Dichlorobenzene.....	D027	0.0080	7.5	-
2,4-Dinitrotoluene.....	D030	0.0080	0.13	-
Hexachlorobenzene.....	D032	0.0080	0.13	-
Hexachloro-1,3-butadiene.....	D033	0.0080	0.5	-
Hexachloroethane.....	D034	0.0080	3	-
Nitrobenzene.....	D036	0.0080	2	-
Pentachlorophenol.....	D037	0.040	100	-
Pyridine.....	D038	0.040	5	-
2,4,5-Trichlorophenol.....	D041	0.040	400	-
2,4,6-Trichlorophenol.....	D042	0.0080	2	-
PESTICIDES	D.L Factor: 1			
Chlordane.....	D020	0.0010	0.03	-
Endrin.....	D012	0.00010	0.02	-
Heptachlor (and its hydroxide).....	D031	0.00050	0.008	-
Lindane.....	D013	0.00050	0.4	-
Methoxychlor.....	D014	0.0010	10	-
Toxaphene.....	D015	0.0040	0.5	-
HERBICIDES	D.L Factor: 1			
2,4,5-TP (Silvex).....	D017	0.0020	1	-
2,4-D.....	D016	0.0020	10	-

SEQUOIA ANALYTICAL

John R. Giles
Michael R. Giles
Laboratory Director

Please Note:

Analyses reported as N.D. were not present above the stated limit of detection. "D.L Factor" greater than 1.0 indicates that matrix effects and/or other factors required additional sample dilution and a higher detection limit.



SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834
 (916) 921-9600 • FAX (916) 921-0100

Groundwater Technology
 1401 Halyard Drive, Suite 140
 West Sacramento, CA 95691
 Attention: John Bower

Client Project ID: Taxaco, 3987 U.S. Hwy 50, So. Lake Tahoe
 Sample Descript: Soil, Composite of SP-2E - SP-2H
 Lab Number: 205-0271

Sampled: May 5, 1992
 Received: May 12, 1992
 Extracted: May 15, 1992
 Reported: May 20, 1992

INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

Soluble Threshold Limit Concentration Waste Extraction Test

Total Threshold Limit Concentration

Analyte	STLC Max. Limit (mg/L)	Detection Limit (mg/L)	Analysis Result (mg/L)	TTLC Max. Limit (mg/kg)	Detection Limit (mg/kg)	Analysis Result (mg/kg)
Antimony	15	0.10	-	500	5.0	N.D.
Arsenic	5.0	0.10	-	500	5.0	N.D.
Barium	100	0.10	-	10,000	5.0	100
Beryllium	0.75	0.010	-	75	0.50	N.D.
Cadmium	1.0	0.010	-	100	0.50	N.D.
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium (III)	560	0.010	-	2,500	0.50	1.3
Cobalt	80	0.050	-	8,000	2.5	N.D.
Copper	25	0.010	-	2,500	0.50	16
Lead	5.0	0.10	-	1,000	2.5	3.2
Mercury	0.20	0.00020	-	20	0.010	N.D.
Molybdenum	350	0.050	-	3,500	2.5	14
Nickel	20	0.050	-	2,000	2.5	N.D.
Selenium	1.0	0.10	-	100	5.0	N.D.
Silver	5.0	0.010	-	500	0.50	N.D.
Thallium	7.0	0.10	-	700	5.0	N.D.
Vanadium	24	0.050	-	2,400	2.5	15
Zinc	250	0.010	-	5,000	0.50	19
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTLC results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.
 Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Michael R. Giles
 Laboratory Director



SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834
 (916) 921-9600 • FAX (916) 921-0100

Groundwater Technology
 1401 Halyard Drive, Suite 140
 West Sacramento, CA 95691
 Attention: John Bower

Client Project ID: Texaco, 3987 U.S. Hwy 50, So. Lake Tahoe
 Matrix Descript: Soil
 Analysis Method: EPA 418.1 (I.R. with clean-up)
 First Sample #: 205-0271

Sampled: May 5, 1992
 Received: May 12, 1992
 Extracted: May 13, 1992
 Analyzed: May 14, 1992
 Reported: May 20, 1992

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Sample Number	Sample Description	Petroleum Oil mg/kg (ppm)
205-0271	Composite of SP-2E + SP-2H	26

Detection Limits:

10.0

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Michael R. Giles
 Laboratory Director



SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834
(916) 921-9500 • FAX (916) 921-0100

Groundwater Technology
1401 Halyard Drive, Suite 140
West Sacramento, CA 95691
Attention: John Bower

Client Project ID: Texaco, 3887 U.S. Hwy 50, So. Lake Tahoe
Matrix Descript: Soil
Analysis Method: EPA 3550/8015
First Sample #: 205-0271

Sampled: May 5, 1992
Received: May 12, 1992
Extracted: May 15, 1992
Analyzed: May 15, 1992
Reported: May 20, 1992

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
205-0271	Composite of SP-2E - SP-2H	13

Detection Limits:

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Michael R. Giles
Laboratory Director

Please Note:

The above sample does not appear to contain diesel.



SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834
(916) 921-9600 • FAX (916) 921-0100

Groundwater Technology
1401 Halyard Drive, Suite 140
West Sacramento, CA 95691
Attention: John Bower

Client Project ID: Texaco, 3987 U.S. Hwy 50, So. Lake Tahoe
Matrix Descript: Soil
Analysis Method: EPA 5030/8015
First Sample #: 205-0271

Sampled: May 5, 1992
Received: May 12, 1992
Analyzed: May 19, 1992
Reported: May 20, 1992

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)
205-0271	Composite of SP-2E - SP-2H	3.8

Detection Limits:	1.0
-------------------	-----

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Michael R. Giles
Michael R. Giles
Laboratory Director

Please Note:

The above sample does not appear to contain gasoline.



SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834
 (916) 921-9600 • FAX (916) 921-0100

Groundwater Technology
 1401 Halyard Drive, Suite 140
 West Sacramento, CA 95691
 Attention: John Bower

Client Project ID: Texaco, 3987 US Hwy 50 S, Lake Tahoe Sampled: May 5, 1992
 Sample Descrip: Composite of SP-2E thru SP-2H Relogged: May 28, 1992
 Analysis Method: See below
 Lab Number: 205-0271

Reported: Jun 8, 1992

STATIC ACUTE HAZARDOUS WASTE BIOASSAY

Static
 Cont. Flow

Species: Pimephales promelas
 Common Name: Fathead minnow
 Mean length: 32 mm
 Mean weight: 0.5 g
 Supplier: Sticklebacks Unlimited
 Acclimation Temp.: 20 degrees C

Organisms/Tank: 10
 Replicates: 2
 Organisms/Conc.: 20
 Tank Depth: 13 cm
 Tank Volume: 10 L

Screening
 Definitive

Dilution Water: Synthetic Softwater

	Alkalinity, mg/L		Hardness, mg/L	
	Initial	Final	Initial	Final
Control	33	38	56	55
100 ppm	-	-	-	-
320 ppm	-	-	-	-
1000 ppm	39	33	51	50

DATE	Initial	24 Hr	48 Hr	72 Hr	96 Hr
	6/1/92	6/2/92	6/3/92	6/4/92	6/5/92

	DO mg/L	C Temp	pH Units	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	Total Dead
Control	9.4	20	7.4	7.8	20	6.9	0	7.4	20	6.9	0	7.1	19	6.9	0	6.4	19	6.8	0	0
100 ppm	8.3	20	7.2	7.7	20	7.1	0	7.5	20	7.1	0	7.2	19	7.0	0	6.9	19	7.0	0	0
180 ppm	8.4	20	7.4	7.8	20	7.3	0	7.8	20	7.3	0	7.7	19	7.2	0	7.7	19	7.2	0	0
320 ppm	8.2	20	7.5	7.6	20	7.3	0	7.6	20	7.2	0	7.5	19	7.2	0	7.5	19	7.2	0	0
560 ppm	8.6	20	7.5	8.1	20	7.4	0	8.0	20	7.3	0	8.0	19	7.3	0	7.9	19	7.2	0	0
1000 ppm	8.5	20	7.3	7.8	20	7.2	0	7.9	20	7.2	0	7.8	19	7.1	0	7.8	19	7.1	0	0

Total
Dead

0
0
0
0
0
0

LC-50: > 1000 ppm

LC-50 Calculation Method: Moving average angle

Remarks:

Analyst: D. George

Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples, September 1987, California Department of Fish and Game WPCL



SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834
(916) 921-9600 • FAX (916) 921-0100

Groundwater Technology
1401 Halyard Drive, Suite 140
West Sacramento, CA 95691
Attention: John Bower

Client Project ID: Texaco 3987 US Hwy 50 S. Lake Tahoe Sampled: May 5, 1992
Sample Descript: Composite of SP-2E thru SP-2H Relogged: May 28, 1992
Analysis Method: See below
Lab Number: 205-0271 (duplicate) Reported: Jun 8, 1992

STATIC ACUTE HAZARDOUS WASTE BIOASSAY

Static
Cont. Flow

Species: Pimephales promelas
Common Name: Fathead minnow
Mean length: 32 mm
Mean weight: 0.5 g
Supplier: Sticklebacks Unlimited
Acclimation Temp.: 20 degrees C

Organisms/Tank: 10
Replicates: 2
Organisms/Conc.: 20
Tank Depth: 13 cm
Tank Volume: 10 L

Screening
Definitive

Dilution Water: Synthetic Schwater

	Alkalinity, mg/L		Hardness, mg/L	
	Initial	Final	Initial	Final
Control	33	38	56	55
100 ppm	-	-	-	-
320 ppm	-	-	-	-
1000 ppm	33	32	50	49

DATE	Initial	24 Hr	48 Hr	72 Hr	96 Hr
	6/1/92	6/2/92	6/3/92	5/4/92	6/5/92

	DO	C	pH	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M
	mg/L	Temp.	Units	mg/L	Temp.	Units	Dead												
Control	9.4	20	7.4	7.8	20	6.9	0	7.4	20	6.9	0	7.1	19	6.9	0	6.4	19	6.6	0
100 ppm	8.8	20	7.3	8.3	20	7.3	0	7.7	20	7.2	0	7.2	19	7.2	0	6.7	19	7.1	0
180 ppm	8.5	20	7.3	7.9	20	7.2	0	7.9	20	7.2	0	8.0	19	7.1	0	6.1	19	7.1	0
320 ppm	8.5	20	7.4	8.0	20	7.8	0	8.0	20	7.3	0	8.0	19	7.2	0	8.1	19	7.2	0
560 ppm	8.4	20	7.4	7.8	20	7.4	0	8.0	20	7.3	0	7.8	19	7.3	0	7.9	19	7.3	0
1000 ppm	8.5	20	7.3	7.9	20	7.3	0	8.0	20	7.3	0	7.9	19	7.2	0	8.0	19	7.2	0

Total Dead

0
0
0
0
0
0
0

LC-50: > 1000 ppm

LC-50 Calculation Method: Moving average angle

Remarks:

Analyst: D. George

Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples, September 1987, California Department of Fish and Game WPOL

SEQUOIA ANALYTICAL

Michael R. Giles
Laboratory Director

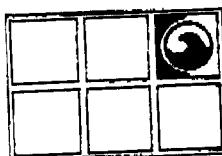
06/19/92 13:55

916 372-8781

GROUNDWATER TECH

0107010

11. SITE INFORMATION**NAME: Texaco Environmental Services****MAILING ADDRESS: Groundwater Technology, Inc.****6401 Polk Yard Drive, Suite 1400****OAKLAND, CA 94618****PHONE: (415) 372-4700 FAX: 372-8781****SITE LOCATION:****1701 North Lake Avenue, Suite 100****Bethesda, MD 20814****ASSISTANT:****Mark L. Johnson****PROJECT NUMBER:****024-99****DATE:****5-12-92****TIME:****1:45****TESTER:****Mark L. Johnson****NOTES:****SOIL**



GROUNDWATER
TECHNOLOGY, INC.

1401 Halyard Drive, Suite 140, West Sacramento, CA 95691, (916) 372-4700
FAX (916) 372-8781

TELECOPY MESSAGE

DATE: 6-22-92 TIME: 11:15am - 1:30pm

TO: Eldorado County APCD - Jim Thompson

FROM: Danise Scriver

JOB#: 02320 1944

TELECOPY#: (621)-2187

Number of pages (including cover page): 1

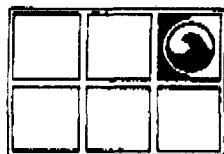
REPLY REQUESTED FOLLOW-UP REQUEST REVIEW/APPROVE

COMMENTS: Mr. Thompson:

I have been calling (916) 621-5897 to get ahold of you, but am only hearing a recorded message about burning times.

I have no other telephone number. Please contact me at your earliest convenience.
Thank you.

If you did not receive all of the pages, please call: (916) 372-4700



GROUNDWATER TECHNOLOGY, INC.

1401 Halyard Drive, Suite 140, West Sacramento, CA 95691 (916) 372-4700

FAX (916) 372-8781

TELECOPY MESSAGE

DATE: 6-22-92 TIME: 11:15 amTO: Eldorado County APCD - Jim ThompsonFROM: Danielle ScriverJOB#: 02320 1944TELECOPY#: (621) 2187Number of pages (including cover page): 1REPLY REQUESTED FOLLOW-UP REQUEST REVIEW/APPROVE COMMENTS: Mr. Thompson:

I have been calling (916) 621-5897 to get hold of you, but am only hearing a recorded message about burning times.

I have no other telephone number. Please contact me at your earliest convenience.
Thank you.

If you did not receive all of the pages, please call: (916) 372-4700

CITY OF SOUTH LAKE TAHOE
ASPHALT CONCRETE SPECIFICATIONS

GRADING ANALYSIS - PERCENT PASSING BY WEIGHT

<u>U. S. Standard Sieve Size</u>	<u>Project Specifications</u>
1/2"	90 - 95
3/8"	85 - 90
# 4	60 - 77
# 8	42 - 60
# 16	_____
# 30	25 - 38
# 50	_____
#100	_____
#200	8 - 10

Bitumen Content/%

By Weight of Dry Aggregate	7%
Oil	AR 8000

shared/a

**EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
7563 Green Valley Road, Placerville, CA 95667
Phone: (916) 621-5897**

December 11, 1991

Mr. Edward Porter, C.E.G.
Porter Geotechnical
5560 Wildwood Drive
Reno, NV 89511

Dear Mr. Porter,

SUBJECT: Perfection Stockpile

El Dorado County Air Pollution Control District agrees that the stockpile should be removed and incorporated into asphalt at Tahoe Asphalt Inc., providing the contaminated soil be placed at the asphalt plant on 10 mil plastic. Ten mil plastic should be used to cover and secure the stockpile for the winter.

If you need further information, please call me at (916) 621-5897.

Sincerely,

Dan Johnston
for

Jim Thompson
Air Pollution Control
Program Coordinator

JT/plh



Dave: What are your
recommendations?

0895

12/10

Thanks

Deggy

White thinn' a
giving them
11# per D.K.

Subject: Perfection Stockpile

Dear Mr. Thompson,

Due to concerns expressed by the City of South Lake Tahoe regarding the storage of contaminated soils excavated from the site, I am requesting that the soils be placed by Lahontan for site protection for on-site remediation work. The soils will be removed and incorporated into asphalt at the plant, which adds greatly to the cost of remediation and disposal. Nevertheless, Mr. Peterson has requested that the regulatory agencies to transport, stockpile and dispose of the soils as soon as possible.

Mr. Russell Crawford, of Tahoe Asphalt Inc., has responded to this affect. A copy of this letter is attached. I am requesting written authorization from the Lahontan Board to proceed with the remediation work. Nevertheless, Mr. Peterson has requested that the regulatory agencies to transport, stockpile and dispose of the soils as soon as possible.

The contaminated soil will be stored at the asphalt plant in the vicinity of the screening plant. It will be placed on 10 mil plastic. Ten mil plastic will also be used to cover and secure the stockpile for the winter through May 15, 1992. The soil will be blended with other aggregates and used for the preparation of asphalt by the plant.

Please provide your written authorization for us to proceed at your earliest convenience.

Very truly yours,

PORTR GEOTECHNICAL

Chip Porter

Edward "Chip" Porter, C.E.G.
Engineering Geologist

CP:dp
Encl.

cc: Pat Cafferty
Brad Jones
Dennis Crabb
Mel Norman

Dave: Change
anything you deem
necessary & I'll
send out.

Shu

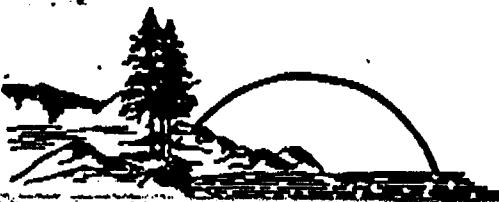
12/11

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EL DORADO COUNTY
RECEIVED

DEC 09 1991



TAHOE ASPHALT INC.

Chip Porter,

Tahoe Asphalt agrees to take for processing into asphalt 1600 yards of contaminated soil from the Perfection Connection site for a fee of twenty dollars per yard, contingent on the following conditions.

- 1) Satisfying Eldorado County environmental health ie; permission from Marcy Barnett
- 2) Approval from Eldorado Co. air quality control ie; Jim Thompson
- 3) Approval from TRPA
- 4) If this material is to be delivered to my site before May 1 1992 Porter Geotechnical or there agent be responsible to contain and wrap the contaminated soil in a TRPA approved method on our property and maintain the wrapping until May 1 1992.
- 5) If the material is delivered after November 15 1991 and before May 1 1992 Porter Geotechnical will be responsible for all handling of the material at our site.

Proof of all of the above being met Tahoe Asphalt will accept the 1600 yards of contaminated soil from the Perfection Connection site.

Sincerely,
Russell Crawford
Plant manager

Plant Location: 1104 Industrial Way, South Tahoe 916/541-0133

Mailing Address: P. O. Box 46, Watsonville, CA 95077 408/724-4955 662-229



5560 Wildwood Drive, Reno, Nevada 89511 • (702) 849-0668 • FAX (702) 849-0895

December 4, 1991
Proj. 9016.4

COPY

Ms. Marcy Barnett
El Dorado Co. Environmental Health
Div. of Solid Waste and Hazardous Materials
P.O. Box 14506
So. Lake Tahoe, CA 95702

Subject: Perfection Stockpile

Dear Ms. Barnett,

Due to concerns expressed by the City of South Lake Tahoe for the continued use of their property for storage of contaminated soils excavated from the subject site and the excessive and unreliable requirements placed by Lahontan for site protection for on-site treatment, my client has decided that the stockpile should be removed and incorporated into asphalt at the asphalt plant. This was a difficult decision to make as it adds greatly to the cost of remediation and depletes most of the reserves set aside for the remaining site remediation work. Nevertheless, Mr. Peterson has asked that I obtain the necessary authorization from the regulatory agencies to transport, stockpile and contain the soils at the Tahoe Asphalt Plant as soon as possible.

Mr. Russell Crawford, of Tahoe Asphalt Inc., has agreed to accept the soil and has provided me with a letter to this affect. A copy of this letter is attached. Mr. Crawford requests written authorization from the regulatory agencies including the El Dorado County Health Department, El Dorado County Air Pollution Control and the TRPA. I am also requesting written authorization from the Lahontan Board.

The contaminated soil will be stored at the asphalt plant in the vicinity of the screening plant. It will be placed on 10 mil plastic. Ten mil plastic will also be used to cover and secure the stockpile for the winter through May 15, 1992. The soil will be blended with other aggregates and used for the preparation of asphalt by the plant.

Please provide your written authorization for us to proceed at your earliest convenience.

Very truly yours,

PORTER GEOTECHNICAL

A handwritten signature in black ink that reads "Chip Porter".

Edward "Chip" Porter, C.E.G.
Engineering Geologist

CP:dp
Encl.

cc: Pat Cafferty
Brad Jones
Dennis Crabb
Mel Norman



5560 Wildwood Drive, Reno, Nevada 89511 • (702) 849-0668 • FAX (702) 849-0895

December 4, 1991
Proj. 9016.4

COPY

Mr. Eric Taxer
Calif. Reg. Water Quality Control Board
Lahontan District
2092 Lake Tahoe Blvd., Suite 2
South Lake Tahoe, CA 96150

Subject: Perfection Stockpile

Dear Mr. Taxer,

Due to concerns expressed by the City of South Lake Tahoe for the continued use of their property for storage of contaminated soils excavated from the subject site and the excessive and unreliable requirements placed by Lahontan for site protection for on-site treatment, my client has decided that the stockpile should add greatly to the cost of remediation and depletes most or the reserves set aside for the remaining site remediation work. Nevertheless, Mr. Peterson has asked that I obtain the necessary authorization from the regulatory agencies to transport, stockpile and contain the soils at the Tahoe Asphalt Plant as soon as possible.

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Please provide your written authorization for us to proceed at your earliest convenience.

Very truly yours,

PORTEX GEOTECHNICAL

A handwritten signature in black ink that reads "Chip Porter".

Edward "Chip" Porter, C.E.G.
Engineering Geologist

CP:dp
Encl.

cc: Pat Cafferty
Brad Jones
Dennis Crabb
Mel Norman



5560 Wildwood Drive, Reno, Nevada 89511 • (702) 849-0668 • FAX (702) 849-0895

December 4, 1991
Proj. 9016.4

COPY

Mr. Mike Solt
Tahoe Regional Planning Agency
P.O. Box 1038
Zephyr Cove, NV 89448

Subject: Perfection Stockpile

Dear Mr. Solt,

Due to concerns expressed by the City of South Lake Tahoe for the continued use of their property for storage of contaminated soils excavated from the subject site and the excessive and unreliable requirements placed by Lahontan for site protection for on-site treatment, my client has decided that the stockpile should be removed and incorporated into asphalt at the asphalt plant. This was a difficult decision to make as it adds greatly to the cost of remediation and depletes most of the reserves set aside for the remaining site remediation work. Nevertheless, Mr. Peterson has asked that I obtain the necessary authorization from the regulatory agencies to transport, stockpile and contain the soils at the Tahoe Asphalt Plant as soon as possible.

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Please provide your written authorization for us to proceed at your earliest convenience.

Very truly yours,

PORTER GEOTECHNICAL

A handwritten signature in black ink, appearing to read "Edward 'Chip' Porter, C.E.G.".

Edward "Chip" Porter, C.E.G.
Engineering Geologist

CP:dp
Encl.

cc: Pat Cafferty
Brad Jones
Dennis Crabb
Mel Norman

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
7563 Green Valley Road, Placerville, CA 95667
Phone: (916) 621-5897

October 1, 1991

167

Mr. Tom Mac Connell
General Services
345 Fair Lane
Placerville, CA 95667

Daphne Hagan

Dear Mr. Mac Connell,

The Tahoma DOT Soil analytical results have been reviewed by me and I have evaluated the results which are insignificantly low and will not constitute a violation of the Air Pollution Control Districts Permit for the Baghouse.

I do not have a problem with this material being processed at the Tahoe Asphalt Plant.

A verbal "OK" was given on September 27, 1991, to Ginger Huber, Environmental Health, South Lake Tahoe. A verbal "OK" was given to Tom Mac Connell with General Services, Placerville on October 1, 1991.

This letter serves as authorization from this Department to process the soil through the Asphalt Plant.

Sincerely,

Peggy Hagan
[Redacted]
Air Pollution Control
Program Coordinator

JT:plh

cc: Ron Duncan, Environmental Management
Ginger Huber, South Lake Tahoe
Tahoe Asphalt, South Lake Tahoe
Jeff Rusert, Hazardous Materials Division

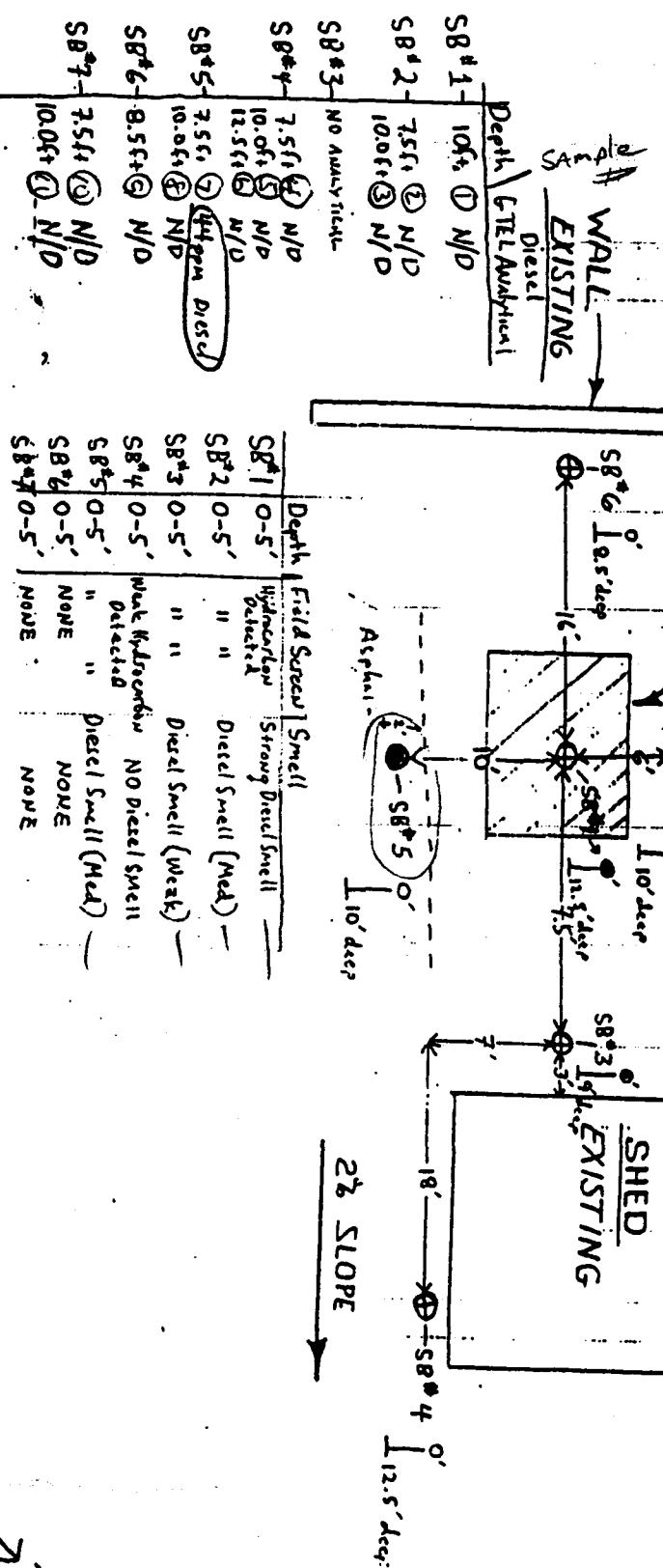
WILSON AVE

FENCE

AREA OF EXCAVATION

FENCE - PROPERTY LINE

140



GTEL ANALYTICAL

Gasoline & BTEX - ALL SAMPLES N/D

SB = Soil Boring
1' = Depth
L = refusal

BUILDING
EXISTING

NOT TO SCALE

K. Wright - Whealdon & Associates
9/16/84

Client Number: WLD01.WLD01
 Consultant Project Number: 91-70
 Project ID: El Dorado County
 Work Order Number: C1-09-321

Table 1

ANALYTICAL RESULTS

**Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil**

EPA Methods 5030, 8020, and Modified 8015a

GTEL Sample Number	01	02	03	04	
Client Identification	SB-1-12.5'	SB-2-7.5'	SB-2-10'	SB-4-7.5'	
Date Sampled	09/09/91	09/09/91	09/09/91	09/09/91	
Date Extracted	09/16/91	09/16/91	09/16/91	09/16/91	
Date Analyzed	09/16/91	09/16/91	09/16/91	09/16/91	
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	-	-	-	-	-
Gasoline	1	<1	<1	<1	<1
Detection Limit Multiplier		1	1	1	1
Percent solids	76	75	97	90	

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision. Results reported on a wet weight basis.

Client Number: WLD01,WLD01
 Consultant Project Number: 91-70
 Project ID: ☐ Dorado County
 Work Order Number: C1-09-321

Table 1 (Continued)

ANALYTICAL RESULTS

**Aromatic Volatile Organics and
 Total Petroleum Hydrocarbons as Gasoline in Soil**

EPA Methods 5030, 8020, and Modified 8015a

GTEL Sample Number		05	06	07	08
Client Identification		SB-4-10'	SB-4-12.5'	SB-5-7.5'	SB-5-10'
Date Sampled		09/09/91	09/09/91	09/09/91	09/09/91
Date Extracted		09/16/91	09/16/91	09/16/91	09/16/91
Date Analyzed		09/16/91	09/16/91	09/16/91	09/16/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	--	--	--	--	--
Gasoline	1	<1	<1	<1	<1
Detection Limit Multiplier		1	1	1	1
Percent solids		92	92	87	91

2. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision. Results reported on a wet weight basis.

Client Number: WLD01,WLD01
 Consultant Project Number: 91-70
 Project ID: ☐ Dorado County
 Work Order Number: C1-09-321

Table 1 (Continued)

ANALYTICAL RESULTS

**Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil**

EPA Methods 5030, 8020, and Modified 8015a

GTEL Sample Number		09	10	11
Client Identification		SB-6-8.5'	SB-7-7.5'	SB-7-11'
Date Sampled		09/09/91	09/09/91	09/09/91
Date Extracted		09/16/91	09/16/91	09/16/91
Date Analyzed		09/16/91	09/16/91	09/16/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg		
Benzene	0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015
BTEX, total	-	-	-	-
Gasoline	1	<1	<1	<1
Detection Limit Multiplier		1	1	1
Percent solids		91	90	92

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1988. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision. Results reported on a wet weight basis.

Client Number: WLD01.WLD01
 Consultant Project Number 91-70
 Project ID: El Dorado County
 Work Order Number: C1-09-322

Table 1

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Diesel Fuel in Soil

Modified EPA Methods 3550/8015^a

^a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

GTEL Sample Number		01	02	03	04
Client Identification		SB1-12.5'	SB-2-7.5'	SB-2-10'	SB-4-7.5'
Date Sampled		09/09/91	09/09/91	09/09/91	09/09/91
Date Extracted		09/16/91	09/16/91	09/16/91	09/16/91
Date Analyzed		09/17/91	09/17/91	09/17/91	09/17/91
Analyte	Quantitation Limit, mg/Kg	Concentration, mg/Kg			
Diesel	10	<10	<10	<10	<10
Quantitation Limit Multiplier		1	1	1	1
Percent solids		76	75	97	90

GTEL Sample Number		05	06	07	08
Client Identification		SB-4-10'	SB-4-12.5'	SB-5-7.5'	SB-5-10'
Date Sampled		09/09/91	09/09/91	09/09/91	09/09/91
Date Extracted		09/16/91	09/16/91	09/16/91	09/16/91
Date Analyzed		09/17/91	09/17/91	09/17/91	09/17/91
Analyte	Quantitation Limit, mg/Kg	Concentration, mg/Kg			
Diesel	10	<10	<10	44	<10
Quantitation Limit Multiplier		1	1	1	1
Percent solids		92	92	87	91

Client Number: WLD01,WLD01
Consultant Project Number 91-70
Project ID: El Dorado County
Work Order Number: C1-09-322

Table 1 (Continued)

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Diesel Fuel in Soil

Modified EPA Methods 3550/8015^a

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1985. Results reported on a wet weight basis.

GTEL Sample Number	09	10	11	
Client Identification	SB-6-8.5'	SB-7-7.5'	SB-7-11'	
Date Sampled	09/09/91	09/09/91	09/09/91	
Date Extracted	09/16/91	09/16/91	09/16/91	
Date Analyzed	09/17/91	09/17/91	09/17/91	
Analyte	Quantitation Limit, mg/Kg	Concentration, mg/Kg		
Diesel	10	<10	<10	<10
Quantitation Limit Multiplier		1	1	1
Percent solids		91	90	92

MAY-27-91 TUE

302 ENV'T MGMT DEPT

P-01

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
Facsimile Cover Sheet
FAX# (916)542-3364

DATE:

5-7-91

TO:

APCD

FROM:

Marcy

FAX:

Jim Thompson

DEPT:

PHONE:

If there are any problems in receiving this FAX, please call (916) 573-3145.

Message:

Page 1 of 6



Taen + Co by
EL DORADO COUNTY
RECEIVED
Alpha

Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

ENVIRONMENTAL HEALTH (707) 468-0401

CHEMICAL EXAMINATION REPORT

Tom Haen Company, Inc.
P.O. Box 8998
South Lake Tahoe, CA 95703

Date Sampled: 08/21/90
Time Sampled: 16:00
Sampled By: Thomas Haen
Date Received: 08/23/90 10:00
Sample Type: Soil

Batch 90-0823-003 consisted of 1 Sample and 8 Tests

Sample 1 Town & Country Center 2656 Lake Tahoe
Blvd. Below Tank # 3 6'

	Method	Results	Units	MDL
Oil & Grease				
Cadmium	503E	55.750	ug/g ^{APM}	50
Chromium	7130	ND	mg/kg ^a	10
Lead	7190	ND	mg/kg	10
Zinc	7420	43	mg/kg	10
Halogenated Volatile Organics	7950 EPA 8010	41	mg/kg	10
Bromodichloromethane				
Bromomethane		ND	ug/g	0.1
Bromoform		ND	ug/g	0.1
Carbon Tetrachloride		ND	ug/g	0.1
2-Chloroethylvinyl ether		ND	ug/g	0.1
Chlorobenzene		ND	ug/g	0.1
Chloroethane		ND	ug/g	0.1
Chloroform		ND	ug/g	0.1
Chloromethane		ND	ug/g	0.1
Dibromochloromethane		ND	ug/g	0.1
1,1-Dichloroethylene		ND	ug/g	0.1
trans-1,2-Dichloroethylene		ND	ug/g	0.1
Dichlorodifluoromethane		ND	ug/g	0.1
1,1-Dichloroethane		ND	ug/g	0.1
1,2-Dichloroethane		ND	ug/g	0.1
1,2-Dichlorobenzene		ND	ug/g	0.1
1,3-Dichlorobenzene		ND	ug/g	0.1
1,4-Dichlorobenzene		ND	ug/g	0.1
1,2-Dichloropropane		ND	ug/g	0.1
cis-1,3-Dichloropropylene		ND	ug/g	0.1
trans-1,3-Dichloropropylene		ND	ug/g	0.1

MDL - Minimum Detection Limit

ND - None Detected

NOTES:

Bruce L. Gove
Laboratory Director



Alpha Analytical Laboratories Inc.

860 Waugh Lane, H-1, Ukiah, California 95482

(707) 468-0401

CHEMICAL EXAMINATION REPORT

Tom Haen Company, Inc.
P.O. Box 8998
South Lake Tahoe, CA 95703

Date Sampled: 08/21/90
Time Sampled: 16:00
Sampled By: Thomas Haen
Date Received: 08/23/90 10:00
Sample Type: Soil

Page 2

Batch 90-0823-003 consisted of 1 Sample and 8 Tests

	Method	Results	Units	MDL
Methylene Chloride		ND	ug/g	0.3
1,1,2,2-Tetrachloroethylene		ND	ug/g	0.3
1,1,1-Trichloroethane		ND	ug/g	0.3
1,1,2-Trichloroethane		ND	ug/g	0.3
Trichloroethylene		ND	ug/g	0.3
Trichlorofluoromethane		ND	ug/g	0.3
Vinyl Chloride		ND	ug/g	0.3
Aromatic Volatile Organics	EPA 8020			
Benzene		ND	ug/g	0.05
Chlorobenzene		ND	ug/g	0.3
1,2-Dichlorobenzene		ND	ug/g	0.3
1,3-Dichlorobenzene		ND	ug/g	0.3
1,4-Dichlorobenzene		ND	ug/g	0.3
Ethylbenzene		ND	ug/g	0.3
Toluene		ND	ug/g	0.05
Xylenes		ND	ug/g	0.05

MDL = Minimum Detection Limit

ND = None Detected

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 09/05/90
(S.F.)



Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21
Sparks, Nevada 89431
(702) 355-1044
FAX: 702-355-0406
1-800-283-1183

Boise, Idaho
(208) 336-4145

2810 W. Charleston, Suite G67
Las Vegas, Nevada 89102
(702) 386-6747

ANALYTICAL REPORT

Porter Geotechnical, Inc
5560 Wildwood Dr
Reno, NV 89511

Job #: 8909.2
Phone: 849-0668
Attn: Chip Porter

Sampled: 11/1/90 Received: 11/2/90 Analyzed: 11/09/90

Matrix: [X] Soil [] Water [] Waste

Analysis Requested: TPH - Total Petroleum Hydrocarbons

Methodology: TPH - Modified 8015

Results:

Client ID/ Lab ID	Parameter	Concentration mg/Kg	Detection Limit mg/Kg
Stock Pile Comp Tahoe Auto Recyclers /POR110290-01	TPH *	2,900	100

* - TPH components are in the range of motor oil

Approved By:

Roger L. Scholl
Roger L. Scholl, Ph.D.
Laboratory Director

Date: 11/15/90



Town & Country

Alpha

Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-J, Ukiah, California 95482
(707) 468-0401

CHEMICAL EXAMINATION REPORT

Tom Haen Company, Inc.
P.O. Box 8998
South Lake Tahoe, CA 95703

Date Sampled: 08/20/90
Time Sampled: 08:30
Sampled By: Thomas Haen
Date Received: 08/21/90 10:00
Sample Type: Soil

Page
1

Batch 90-0821-009 consisted of 1 Sample and 4 Tests

Sample 1 Town & Country Center Stockpile

	Method	Results	Units	MDL
Oil & Grease	503E	10660	ug/g	50
TPH - Diesel	LUFT	6400	ug/g	1
Halogenated Volatile Organics	EPA 8010			
Bromodichloromethane	ND	ug/g	.51	
Bromomethane	ND	ug/g	.51	
Bromoform	ND	ug/g	.51	
Carbon Tetrachloride	ND	ug/g	.51	
2-Chloroethylvinyl ether	ND	ug/g	.51	
Chlorobenzene	ND	ug/g	.51	
Chloroethane	ND	ug/g	.51	
Chloroform	ND	ug/g	.51	
Chloromethane	ND	ug/g	.51	
Dibromochloromethane	ND	ug/g	.51	
1,1-Dichloroethylene	ND	ug/g	.51	
trans-1,2-Dichloroethylene	ND	ug/g	.51	
Dichlorodifluoromethane	ND	ug/g	.51	
1,1-Dichloroethane	ND	ug/g	.51	
1,2-Dichloroethane	ND	ug/g	.51	
1,2-Dichlorobenzene	ND	ug/g	.51	
1,3-Dichlorobenzene	ND	ug/g	.51	
1,4-Dichlorobenzene	ND	ug/g	.51	
1,2-Dichloropropane	ND	ug/g	.51	
cis-1,3-Dichloropropylene	ND	ug/g	.51	
trans-1,3-Dichloropropylene	ND	ug/g	.51	
Methylene Chloride	ND	ug/g	.51	
1,1,2,2-Tetrachloroethane	ND	ug/g	.51	
Tetrachloroethylene	ND	ug/g	.51	
1,1,1-Trichloroethane	ND	ug/g	.51	

MDL - Minimum Detection Limit

ND - None Detected

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 08/30/90
(S.F.)



Alpha Analytical Laboratories Inc.

860 Waugh Lane, H-1, Ukiah, California 95482

(707) 468-0401

CHEMICAL EXAMINATION REPORT

Tom Haen Company, Inc.
P.O. Box 8998
South Lake Tahoe, CA 95703

Date Sampled: 08/20/90 Page 2
 Time Sampled: 08:30
 Sampled By: Thomas Haen
 Date Received: 08/21/90 10:00
 Sample Type: Soil

Batch 90-0821-009 consisted of 1 Sample and 4 Tests

	Method	Results	Units	MOL
1,1,2-Trichloroethane		ND	ug/g	.51
Trichloroethylene		ND	ug/g	.51
Trichlorofluoromethane		ND	ug/g	.51
Vinyl Chloride		ND	ug/g	.51
Aromatic Volatile Organics	EPA 8020		ppm	
Benzene		ND	ug/g	0.05
Chlorobenzene		ND	ug/g	0.3
1,2-Dichlorobenzene		ND	ug/g	0.3
1,3-Dichlorobenzene		ND	ug/g	0.3
1,4-Dichlorobenzene		ND	ug/g	0.3
Ethylbenzene		3.1	ug/g	0.05
Toluene		.69	ug/g	0.3
Xylenes		38	ug/g	0.05

MOL = Minimum Detection Limit

ND = None Detected

NOTES:

Bruce L. Gove
 Laboratory Director

Bruce L. Gove
 Date Printed: 08/30/90
 (J.F.)

PRINTER-91 TUE 116

ENVT MGMT DEPT

P-61

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
Facsimile Cover Sheet
FAX# (916) 542-3364

DATE: 5-7-91
TO: APCD
ATTN: JIM T.
FAX #

FROM: Macy
DEPT:
PHONE:

If there are any problems in receiving this FAX, please call (916) 573-3145.
Message:

9163669657

TANK PROTECT SAC

373 P07

MAY 06 '91 15:08

SLT Police / County Sheriff
~~Tank~~ Tank Removal
 Stockpiled Soil

CHEMTECH ANALYTICAL LABORATORIES
ANALYSIS REPORT

CLIENT: TPE / Cal Trans

Date Samples Received: 05-02-91

Date of Analysis: 05-02-91

Sample ID: C1

Lab ID: 911285

Matrix: Soil

CONTACT: B. Goodwin

P.O. #:

CT ID: 1869

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (PPM)	REPORTING LIMIT mg/kg (PPM)
BENZENE	ND	0.005
TOLUENE	0.74	0.005
ETHYLBENZENE	0.30	0.005
XYLENES	2.1	
SURROGATE RE		
63%		

NOTE: (ND) NOT DETECTED

MARLEY - ~~Call for information~~
~~Call for information~~
 Tahoe Asphalt 2 copy to
 you.

MAY - 7-91 TUE 7:43 El Dorado County Engineer 6211681

P.11

9163669657

TANK PROTECT SAC

375 P02

MAY 06 '91 15:14

CHEMTECH ANALYTICAL LABORATORIES
ANALYSIS REPORTCLIENT: TPE / Cal Trans
Date Samples Received: 05-02-91
Date of Analysis: 05-02-91
Sample ID: C1
Lab ID: 911285
Matrix: SoilCONTACT: B. Goodwin
P.O. #:
CT ID: 1869

ANALYSIS: THF, EPA 5030

COMPOUND	mg/kg (PPM)	REPORTING LIMIT mg/kg (PPM)
GASOLINE	28.	1.0

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

Table 1
Suitable Thin Walled Steel Sample Tube^A

Outside diameter:	(2)	(3)	(5)
inches	50.8	76.2	127
millimeters			
Wall thickness:			
Bwg	18	16	11
inches	0.049	0.065	0.120
millimeters	1.24	1.65	3.05
Tube length:	(36)	(36)	(54)
inches	0.91	0.91	1.45
meters			
Clearance ratio, %	1	1	1

^A The three diameters recommended in Table 1 are indicated for purposes of standardization, and are not intended to indicate that sampling tubes of intermediate or larger diameters are not acceptable. Lengths of tubes shown are illustrative. Proper lengths to be determined as suited to field conditions.

MARCY: Please sample three (3) Thief samples per 1,000 tons at random. Any problems call Jim at (916) 621-5897. Thanks.

SLT Police / County Sheriff
~~DOA~~ Tank Removal
 stockpiled Soil

CHEMTECH ANALYTICAL LABORATORIES
 ANALYSIS REPORT

CLIENT: TPE / Cal Trans
 Date Samples Received: 05-02-91
 Date of Analysis: 05-02-91
 Sample ID: C1
 Lab ID: 911285
 Matrix: Soil

CONTACT: B. Goodwin
 P.O. #:
 CT ID: 1869

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT mg/kg (ppm)
BENZENE	ND	0.005
TOLUENE	0.74	0.005
ETHYLBENZENE	0.30	0.005
XYLENES	2.1	0.015

SURROGATE RECOVERY

ACCEPTABLE RANGE

83%

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MARCY - OK FOR THIS material
 I will send letter to
 Tahoe Asphalt & copy to
 you.

COUNTY OF
EL DORADO

ENVIRONMENTAL MANAGEMENT DEPARTMENT

AIR POLLUTION CONTROL DISTRICT

ENVIRONMENTAL HEALTH DIVISION

SOLID WASTE & HAZARDOUS MATERIALS DIVISION



MAIN OFFICE:
7563 GREEN VALLEY ROAD
PLACERVILLE, CA 95667
(916) 621-5300

SOUTH LAKE TAHOE OFFICE:

1359 JOHNSON BLVD.
P.O. BOX 14508
SOUTH LAKE TAHOE, CA 95702
(916) 573-3145

August 5, 1991

167

Tahoe Asphalt Inc.
P.O. Box 8378
So. Lake Tahoe, CA
95731-1378

*Tahoe
Asphalt*

Dear Mr. Crawford,

In reviewing the fax information from Environmental Management Department in South Lake Tahoe, I do not consider the quantities analyzed to be of concern to the Air Pollution Control District to be added to your process as discussed previously. This material which has been removed for tank replacement conducted by Pearson Equipment/Avis Rent-A-Car located at Hwy 50, South Lake Tahoe, may be processed as an additive to your existing feed.

The compounds detected will not violate any State, Federal or ambient air quality standards or permit conditions listed on your permit. The baghouse must be maintained in proper operating condition as always and if any upsets or breakdowns occur, you are to notify this office immediately.

This authorization from this Department is only valid for the material mentioned above and none other.

Sincerely,

Jim Thompson
Air Pollution Control
Program Coordinator

JT:plh

cc: Marcy Barnett, South Lake Tahoe
Jeff Rusert, Hazardous Material

Joint 8/5

*COPY

GEOTEST

** ALL RESULTS ARE PRIOR TO FINAL QA/QC CHECK!

Date: 7/13/91

Sheet ____ of ____

Laboratory Results Sheet - Methods TPH-G/8020 In SOIL

Project Name: PEARSON EQUIPMENT / ANIS RENT-A-CAR
Site Address: 2060 HWY 60, S. LAKE TAHOE CA
Laboratory: M1#104Project Number: 97 895-61
Work Order: 3907
Analyst: S.J.

Lab ID No.	Sample ID No.	Soil grams	Methanol ml	ul MeOH purged	Correct Factor	MOL	1.0	0.005	0.005	0.005	0.016
						TPH	Benzene	Toluene	E-Benzene	T-Xylene	
Blank											
#1-COMP	0.88				5.60	4.4	ND	0.009	0.005	0.87	
#2-COMP	0.94				5.32	6.8	ND	0.006	0.016	0.73	
#3-COMP	0.91				5.49	2.9	ND	0.005	0.003	0.24	
#4-COMP	0.93				5.67	5.1	ND	0.013	0.015	0.29	
#5-COMP	0.89				5.62	1.1	ND	0.009	ND	0.066	
#6	1.09				4.59	ND	ND	ND	ND	0.064	
#7	0.98				5.10	ND	ND	ND	ND	ND	
#8	0.99				5.05	1.8	ND	ND	ND	ND	
#9	0.91				5.49	ND	0.083	0.042	ND	ND	
#10	1.04				4.80	ND	ND	ND	ND	ND	
DupID	#11	1.04			4.80	ND	ND	ND	ND	ND	
SpikeID	#12	1.18			4.28	ND	ND	ND	ND	ND	
LCS	Determined										
LCS	Actual	Date:									
	Curve Date:	Response Factor									

% Accuracy (LCS Calc/True)
% Reproducibility (dup/init)
% Recovery (Spike/True)

TPH / B / T / E / X	Volume purged
/ / / /	
/ / / /	
/ / / /	

Sample Preparation:

Low level soil samples are purged directly. 1.0 grams of soil (or greater) are placed in the purge vessel along with 8.0 ml of water. The sample is then purged and the concentration determined. If the concentration of any analyte is greater than the standard curve, the sample is "High level" and must be extracted with Methanol.

High level samples are extracted with Methanol. At least 1.0 gram of soil is extracted with a volume of Methanol. 0.100 to 0.100 ml of the extract are then purged in 8.0 ml of water. If further dilution is required the extract is diluted in Methanol.

Example Calculations:
Methanol Extraction:

1.0 gm soil extracted with 10 ml methanol. 0.100 ml methanol purged in 8 ml water.
 $1.0 \text{ gm} / 10 \text{ ml MeOH} = 0.10 \text{ gm soil per ml MeOH}$
 $0.100 \text{ ml MeOH purged} \times 0.10 \text{ gm soil per ml} = 0.010 \text{ gm soil purged}$

Soil Purge:

1.0 gm soil purged.
 $\text{Standard at } 0.0 \text{ ug/l or } 0.0 \text{ ng per ml times } 8.0 \text{ ml} = 25 \text{ ng purged}$

If the response for soil is the same as the 0.0 ug/l standard then conc in soil = $(25 \text{ ng/ml}) \times 8.0 \text{ gm soil} = 200 \text{ ng/gm} = 0.200 \text{ mg/kg}$

Note: conversion factor can be used: CF = $8.0 \text{ gm of soil} / 8.0 \text{ ml purged}$
Then conc in soil = $0.0 \text{ ug/l} + CF$ (5 in this example) = $25 \text{ ng/gm} + 0.020 \text{ mg/kg}$

Rev A 10/91

LETTER OF UNDERSTANDING
August 21, 1991

I need to respond to you in order that there is a clear understanding of all parties concerned in handling contaminated soil thru the Asphalt Plant.

At the present time soil is removed at a site and analyzed for a variety of chemical compounds in order to make a determination of the exposure levels and also for potential use of processing thru the asphalt plant.

The guidelines that you need to follow to satisfy the Air Pollution Control District concerns are:

- o The material to be brought to your facility must be analyzed for compounds that have the potential to cause Volatile Organics to exit the baghouse and have the potential to cause a health risk.
- Surfaces (rubbish) + vinyl off concern are: Benzene, TPH. may be associated with dry cleaning or de-greasing processing. These compounds can be analyzed on a discretionary basis. Benzene, Vinyl Chloride, Hydrogen Sulfide are all ambient air quality pollutants which have state standards that are not to be exceeded.
- o The contaminated material to be processed is not to exceed %10 by weight in mixing with the material within the normal mixing batch to produce asphaltic material. The chemical analysis of the contaminated material will be reviewed by Environmental Health and Air Pollution Control prior to the material being sent to the plant for storage to be processed.
- o The material that has been released by fax (if needed) from the Air Pollution District to Environmental Health at SLT will suffice as release to the Asphalt Plant. The material once it is on site is to be inventoried and marked for location that it originated. The control of each stockpile of material that is to be processed must be separated from other materials so that there is no confusion or mixing of contaminated materials that have been scrutinized.
- o The evaluation process of the APCD will be to ensure that no State or Federal Emission standards are exceeded based upon the information known of the baghouse, i.e. sourcetest data.

COUNTY OF
EL DORADO

18-167-01

ENVIRONMENTAL MANAGEMENT DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
AIR POLLUTION CONTROL DISTRICT SOLID WASTE & HAZARDOUS MATERIALS DIVISION



MAIN OFFICE:
7503 GREEN VALLEY ROAD
PLACERVILLE, CA 95667
(916) 621-5300

SOUTH LAKE TAHOE OFFICE:
1350 JOHNSON BLVD.
P.O. BOX 14506
SOUTH LAKE TAHOE, CA 95702
(916) 573-3145

August 5, 1991

Tahoe Asphalt Inc.
P.O. Box 8378
So. Lake Tahoe, CA
95731-1378

Dear Mr. Crawford,

In reviewing the fax information from Environmental Management Department in South Lake Tahoe, I do not consider the quantities analyzed to be of concern to the Air Pollution Control District to be added to your process as discussed previously. This material which has been removed for tank replacement conducted by Pearson Equipment/Avis Rent-A-Car located at Hwy 50, South Lake Tahoe, may be processed as an additive to your existing feed.

The compounds detected will not violate any State, Federal or ambient air quality standards or permit conditions listed on your permit. The baghouse must be maintained in proper operating condition as always and if any upsets or breakdowns occur, you are to notify this office immediately.

This authorization from this Department is only valid for the material mentioned above and none other.

Sincerely,

Jim Thompson
Air Pollution Control
Program Coordinator

JT:plh

cc: Marcy Barnett, South Lake Tahoe
Jeff Rusert, Hazardous Material

COPY *for*

ALL RESULTS ARE PRIOR TO FINAL QA/QC CHECK!

Date: 7/13/91

GEOTEST

Sheet ____ of ____

Laboratory Results Sheet - Methods TPH-G8020 In SOIL

Project Name: PEARSON EQUIPMENT / ANIS RENT-A-CAR
Site Address: 2060 HWY 50, S. LAKE TAHOE CA
Laboratory: MILITARYProject Number: 92 B93-61
Work Order: 3907
Analyst: S.J.

Lab ID No.	Sample ID No.	Soil grams	Methanol ml	1/1 MeOH purged	Correct Factor	MDL 1.0	Concentration (mg/kg) 7PM				
							TPH	Benzene	Toluene	E-Benzene	T-Xylene
Blank											
#1-comp	0.88				5.60	4.4	ND	0.009	0.005	0.37	
#2-comp	0.94				5.32	6.8	ND	0.006	0.016	0.73	
#3-comp	0.91				5.19	2.9	ND	0.003	0.002	0.24	
#4-comp	0.93				5.67	5.1	ND	0.013	0.015	0.24	
#5-comp	0.89				5.62	1.1	ND	0.009	ND	0.066	
#6	1.09				4.59	ND	ND	ND	ND	0.064	
#7	0.98				5.10	ND	ND	ND	ND	ND	
#8	0.99				5.05	1.8	ND	ND	ND	ND	
#9	0.91				5.49	ND	0.083	0.042	NO	NO	
#10	1.04				4.80	ND	ND	ND	ND	ND	
DuplID	#11	1.04			4.80	NO	ND	ND	ND	ND	
SpikedID	#12	1.18			4.23	ND	ND	ND	ND	ND	
LCS	Determined										
LCS	Actual	Date:									
	Curve Date:	Response Factor									

% Accuracy (LCS Calc/True)

% Reproducibility (dupl/Init)

% Recovery (Spike/True)

TPH / B / T / E / X
/ / / /
/ / / /
/ / / /

Volume purged

Sample Preparation:

Low level soil samples are purged directly. 1.0 grams of soil (or greater) are placed in the purge vessel along with 8.0 ml of water. The sample is then purged and the concentration determined. If the concentration of any analyte is greater than the standard curve, the sample is "High level" and must be extracted with Methanol.

High level samples are extracted with Methanol. At least 1.0 gram of soil is extracted with a volume of Methanol. 0.010 to 0.100 ml of the extract are then purged in 8.0 ml of water. If further dilution is required the extract is diluted in Methanol.

Example Calculations:
Methanol Extraction:

1.0 gm soil extracted with 10 ml methanol. 0.100 ml methanol purged in 8 ml water.
 $1.0 \text{ gm} / 10 \text{ ml MeOH} = 0.10 \text{ gm soil per ml MeOH}$
 $0.100 \text{ ml MeOH purged} \times 0.10 \text{ gm soil per ml} = 0.010 \text{ gm soil purged}$

Soil Purge:

1.0 gm soil purged.
 $\text{Standard} = 0.0 \text{ ug/l or } 0.0 \text{ mg per ml times } 8.0 \text{ ml} = 0.0 \text{ mg purged}$

The concentration in the purged sample is the area of the sample divided by the response factor.

If the response for soil is the same as the 0.0 ug/l standard then conc in soil = $(0.0 \text{ ug/l}) \times (0.10 \text{ gm soil or } 0.010 \text{ mg}) = 0.0001 \text{ mg/g}$

Note: correction factor can be used: CF = $0.10 \text{ gm of soil} / 0.010 \text{ mg}$

Then conc in soil = $0.0 \text{ ug/l} \times CF$ (0.10 in this example) = 0.0001 mg/g

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX# (916) 626-7130

DATE: 8/5/91
TO: 511
ATT: Mary
FAX#: _____

FROM: Jim Thompson
DEPT: RTP
PHONE#: 621-5897

If there are any problems in receiving this FAX, please call (916) 621-5300.

MESSAGE:

PAGE 1 OF —

*DAKed
8/5/91*

1-94 THU 14

ENVIRONMENTAL MANAGEMENT DEPT.

P.01

08-167-05

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX# (916) 621-~~5300~~

DATE: 8-1-91
TO: TIM T.
ATT: _____
FAX#: 621-7130

FROM: MARCY
DEPT: _____
PHONE#: _____

If there are any problems in receiving this FAX, please call (916) 621-~~5300~~.

MESSAGE:

JM. SAMPSON Comp. #1-#5
are seeking a Soil - Contractor
would like to process through
Tahoe Asphalt. No Benzene
- 1. L. tonal. TPH - AD-

541-0133

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
7563 Green Valley Road, Placerville, CA 95667
Phone: (916) 621-5897

March 20, 1990

Tahoe Asphalt Inc
P O Box 8378
South Lake Tahoe CA 95731

Permit to Operate Number: 08-167-01

Dear Operator:

The Air Pollution Control District is conducting an Emission Inventory for the year 1989.

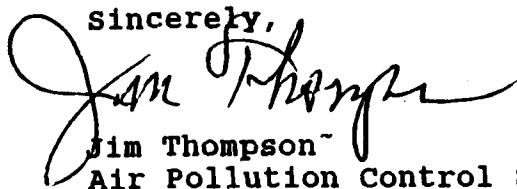
The following information pertaining to your permitted sources, needs to be completed by you.

Please respond in writing as soon as possible or call me at 621-5897.

I T E M S

1. Hours in operation for 1989. 200
2. Average hourly production rate. 135 TPH
3. Total production tonnage for 1989. 25,000
4. Therms or cubic feet of natural gas consumed in 1989.

↓
9,605

sincerely,

Jim Thompson

Air Pollution Control Specialist

TABLE II

SUMMARY OF ANALYTICAL TESTS

PARAMETER	W-1	W-3	W-4	W-5	W-6	W-10	S-1-0	S-3-0	S-6-0	S-8-0	S-6, 8 COMPOSIT
TPH			ND		ND	ND					
BENZENE	ND	ND	ND	ND	ND	ND					
TOLUENE	0.8mg/L	ND	ND	ND	ND	ND					
XYLENE	8.5mg/L	ND	ND	ND	ND	ND					
ETHYL BENZENE	ND	ND	ND	ND	ND	ND					
TOTAL CHROMIUM		<0.025					20mg/Kg	22mg/Kg	11mg/Kg	22mg/Kg	
TOTAL LEAD		<0.05					720mg/Kg	930mg/Kg	75mg/Kg	\$1400mg/Kg	
TOTAL ZINC		<0.058					680mg/Kg	3200mg/Kg	400mg/Kg	2200mg/Kg	
TDS		328	ppm								
WES - CHROMIUM							<0.2mg/L				
WES - LEAD								\$154mg/L			
WES - ZINC									\$260mg/L		

8240 COMPOUNDS

W = WATER SAMPLE

S-1-0 = SOIL SAMPLE, BORING NO. & DEPTH

* = EXCEEDS CALIF STATE TOTAL THRESHOLD LIMITS

CONCENTRATION (TTL) FOR DESIGNATION AS HAZARDOUS

** = EXCEEDS CALIF STATE SOLUBLE THRESHOLD LIMITS

CONCENTRATION (STL) FOR DESIGNATION AS HAZARDOUS

541-0133

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
7563 Green Valley Road, Placerville, CA 95667
Phone: (916) 621-5897

March 20, 1990

Tahoe Asphalt Inc
P O Box 8378
South Lake Tahoe CA 95731

Permit to Operate Number: 08-167-01

Dear Operator:

The Air Pollution Control District is conducting an Emission Inventory for the year 1989.

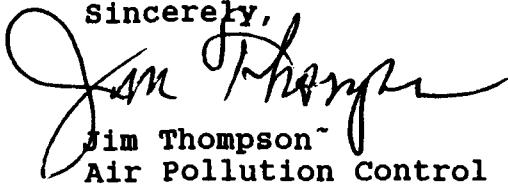
The following information pertaining to your permitted sources, needs to be completed by you.

Please respond in writing as soon as possible or call me at 621-5897.

I T E M S

1. Hours in operation for 1989. 200
2. Average hourly production rate. 135 TPH
3. Total production tonnage for 1989. 25,000
4. Therms or cubic feet of natural gas consumed in 1989.

↓
9,605

Sincerely,

Jim Thompson

Air Pollution Control Specialist

EL DORADO COUNTY

AIR POLLUTION CONTROL DISTRICT



7553 GREEN VALLEY RD.
PLACERVILLE, CALIFORNIA 95667
PHONE 626-2225

Name of Applicant/Source <u>Dakota Asphalt</u>	Date of Inspection <u>6-13-89</u>
Mailing Address <u>SLT - Same</u>	Permit/Appl. No. <u>08-167-01</u>
Equipment Location (Address)	Permit Exp. Date <u>6-11-90</u>

New Construction Change of Ownership Exist. Equip.
Change of Location Equipment Alteration
Time Spent Making Inspection: From: 1:00 pm To: 1:30

Fiscal Operating Schedule

For This Equipment:

100 days/yr ÷ 3 hr/day

Weather Clear Wind Calm Ringelmann Read Photographs

Names and Titles of Persons Contacted:
Don Wallace

Equipment: Baghouse

Findings:

- Plant operating
- Observed several loading cycles thus bagger and baghouse. IRS 5-10% for 3-4 min then off remainder of cycle.
- Production RATE:
- Noticed dust leaking near bottom of bucket elevator, Don advised he would fix small leak.

Corrective Action Necessary Approve for Permit Subject to Conditions Listed on P.O. Hold: See Explanation Below
Deny Permit

Inspected By

Jm Thompson

EL DORADO COUNTY

AIR POLLUTION CONTROL DISTRICT



7553 GREEN VALLEY RD.
PLACERVILLE, CALIFORNIA 95667
PHONE 626-2225

Name of Applicant/Source <u>TAHOE ASPHALT</u>	Date of Inspection <u>6-1-89</u>
Mailing Address	Permit/Appl. No. <u>08-167-0</u>
Equipment Location (Address)	Permit Exp. Date

New Construction Change of Ownership Exist. Equip.
Change of Location Equipment Alteration

Time Spent Making Inspection: From: 11:50 To: 12:30

Fiscal Operating Schedule

For This Equipment:

Weather	Wind	Ringelmann Read <input type="checkbox"/>	Photographs <input type="checkbox"/>
---------	------	--	--------------------------------------

Names and Titles of Persons Contacted:

Don Wallace

Equipment:

Baghouse

Findings:

- VE'S ARE 10% during rap cycle. for 10 SEC.
- Noticed leak (dust) at end of screw near bucket elevator. DON WALLACE WILL FIX.

Corrective Action Approve for Permit Subject Hold: See Explanation
Necessary to Conditions Listed on P.O. Below
Deny Permit

Inspected By

Jm J.

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX (916) 542-3364

DATE: 5-24-94

TO: Dennis Otani

FROM: D Fiori

ATTN: Env. Mgm-Air Pollution

DEPT: SCT - Env. Mgm

FAX#: _____

PHONE: 3450

If there are any problems in receiving this FAX, please call
(916) 573-3450.

Message: Please Sign & Fax Back - Thanks!

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: May 24, 1994

TO: Russ Crawford
Tahoe Ashpalt, Inc.FROM: Virginia Huber, REHS
Tahoe Division ManagerSUBJECT: Use of Contaminated Soil with Asphalt Mix
Kmart Store 1030 Tata Lane South Lake Tahoe

The El Dorado County Environmental Management Department has reviewed the results of a soil samples taken from soil generated during soil borings done at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 1.5 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS
Solid Waste & Hazardous MaterialsDATE 5/24/94APPROVAL _____
Air Pollution Control District

DATE _____

TABLE 1
ANALYTICAL DATA: SOIL SAMPLES

Kmart Facility No. 9153
 1030 Tata Lane
 South Lake Tahoe, California

Boring No.	Sample Depth (feet)	Date Sample Collected	TPH-G (mg/Kg)	TPH-D (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	VOCs (mg/Kg)
MW-1	6	01/21/94	--	--	--	--	--	--	--
	11	01/21/94	--	--	--	--	--	--	--
	16	01/21/94	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
	21	01/21/94	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
MW-2	6	01/20/94	--	--	--	--	--	--	--
	11	01/20/94	--	--	--	--	--	--	--
	16	01/20/94	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
	20	01/20/94	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
MW-3	6	01/20/94	--	--	--	--	--	--	--
	11	01/20/94	--	--	--	--	--	--	--
	16	01/20/94	<1	<5	<0.005	<0.005	<0.005	<0.005	ND
	20.5	01/20/94	<1	<5	<0.005	<0.005	<0.005	<0.005	ND

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline

TPH-D = Total Petroleum Hydrocarbons as Diesel

VOCs = Volatile Organic Compounds by EPA Method 8010

mg/Kg = Milligrams per Kilogram or parts per million (ppm)

< = Less than listed detection limit

- = Not analyzed

ND = Not detected at various detection limits (see Appendix B)

EL DORADO CO ENCL BULTE

TEN 1-918-642-1571

May 24 94 10:21

Transmit Confirmation Report

File No.	:	1011
Transmitter	:	105323764
Transmitter	:	1053009400 CO ENCL BULTE
Date	:	May 24 94 10:21
Time	:	101119
Duration	:	None
Call	:	1011

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: 5/24/94

To: Environmental Mgmt - SLT

Attn: Ginger

Fax#: _____

From: Dennis Otani

If there are problems receiving this FAX,
please call Peggy Hogan (916) 621-6662.

PAGE 1 OF 2
(INCLUDES FAX PAGE)

EL DORADO CO ENV HLTH

TEL:1-916-642-1531

Oct 14 93 9:23

Transmit Confirmation Report

No.: 001
Receiver: 15423364
Transmitter: EL DORADO CO ENV HLTH
Date: Oct 14 93 9:23
Time: 01 '05
Mode: Norm
Pages: 02
Result: OK

EL ADO COUNTY ENVIRONMENTAL MANA NT
FACSIMILE COVER SHEET
FAX# (916) 626-7130

DATE: October 14, 1993

TO: Ginger

ATT: _____

FAX#: 542-3364

FROM: Dennis Ham
DEPT: APCD
PHONE#: 621-6662

If there are any problems in receiving this FAX, please call (916) 621-5300.

MESSAGE:
Approval for Rotten Robbie, 2601 Lake Tahoe Blvd.
7 cubic yards of soil.

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: October 13, 1993

TO: Russ Crawford
Tahoe Ashpalt, Inc.FROM: Virginia Huber, REHS
Tahoe Division ManagerSUBJECT: Use of Contaminated Soil with Asphalt Mix
Rotten Robbie, 2601 Lake Tahoe Blvd.

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during soil borings done at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 7 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS
Solid Waste & Hazardous Materials

DATE 10/13/93

APPROVAL Dennis Ham
Air Pollution Control District

DATE 10-14-93

EL DORADO CO ENV HLTH

TTL:1-916-642-1531

Oct 14 93 9:30

Transmit Confirmation Report

No. : 502
Reception : 19411647
Transmitter : EL DORADO CO ENV HLTH
Date : Oct 14 93 9:30
Time : 08:10
Mode : Normal
Speed : 6
Fiducial : 0

EL DOD COUNTY ENVIRONMENTAL MANA NT
FACSIMILE COVER SHEET
FAX# (916) 626-7130

DATE:

October 14, 1993

TO:

Tahoe Asphalt

ATT:

FAX#:

541-1647

FROM:

Dennis Hani

DEPT:

El Dorado Co. ARD

PHONE#:

~~621-6662~~ 621-6662

If there are any problems in receiving this FAX, please call (916) 621-5300.

MESSAGE:

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: October 13, 1993

TO: Russ Crawford
Tahoe Ashpalt, Inc.FROM: Virginia Huber, REHS
Tahoe Division ManagerSUBJECT: Use of Contaminated Soil with Asphalt Mix
Rotten Robbie, 2601 Lake Tahoe Blvd.

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during soil borings done at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 7 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS

Solid Waste & Hazardous Materials

DATE 10/13/93APPROVAL Dennis Hau

Air Pollution Control District

DATE 10-14-93

OCT-13-1993 13:38 FROM

TO

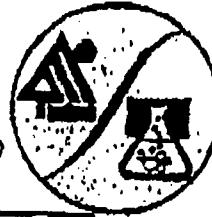
15423364

P.03

P.02

Excelchem
Environmental Labs

4916 Watt Avenue, #38
 North Highlands, CA 95660
 (916)334-8661

ANALYSIS REPORT

Attention: Mr. Paul Graff
 AEGIS Environmental
 1050 Melody Ln., Suite 160
 Roseville, CA. 95678

Date Sampled : 9-23-93
 Date Received: 9-24-93
 BTEX Analyzed: 10-6-93
 Project #: 93-031 TPHg Analyzed: 10-6-93
 Matrix: Soil

	Benzene PPM	Toluene PPM	Ethyl- benzene PPM	Total Xylenes PPM	TPHg PPM
Reporting Limit:	0.005	0.005	0.005	0.005	1.0

SAMPLE**Laboratory Identification:**

SB10-16 S0993333	ND	ND	ND	ND	ND
SB11-21 S0993337	ND	ND	ND	ND	ND

PPM = Parts per million = mg/Kg = milligram per kilogram

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).

TPHg-- Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8019, which utilizes a GC equipped with an FID.

John
 Laboratory Representative

10-12-93
 Date Reported

OCT-13-93 WED 8:35 ENVT MGMT DEPT

P. 04

OCT-13-1993 13:37 FROM

TO

15423364

P. 4

P. 07

Excelchem
Environmental Labs
4946 Watt Avenue, #38
North Highlands, CA 95660
(916)334-8667



ANALYSIS REPORT

Attention: Mr. Paul Graff Date Sampled : 9-21-93
AEGIS Environmental Date Received: 9-24-93
1050 Melody Ln., Suite 160 BTEX Analyzed: 10-1-93
Roseville, CA. 95678 TPHg Analyzed: 10-1-93
Project #: 93-031 Matrix: Soil

	Benzene <u>PPM</u>	Toluene <u>PPM</u>	Ethyl- benzene <u>PPM</u>	Xylenes <u>PPM</u>	Total TPHg <u>PPM</u>
Reporting Limit:	0.005	0.005	0.005	0.005	1.0

SAMPLE

Laboratory Identification:

SB6-11 ND ND ND ND
S0993314

SB6-16 ND ND ND ND
S0993315

PPM = Parts per million = mg/Kg = milligram per kilogram
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX--Benzene, toluene, ethylbenzene, and total xylenes (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photionization detector (PID).

TPHg--Total petroleum hydrocarbons of gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

JL
Laboratory Representative

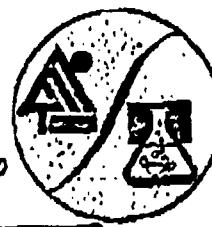
10-04-93
Date Reported

OCT-13-93 WED 8:35 ENV'T MGMT DEP.
OCT-12-1993 13:37 FROM TO

15423364 P. 3 05

P. 05

Excelchem
Environmental Lab
4946 West Avenue, #28
North Highlands, CA 95660
(916)336-8661



ANALYSIS REPORT

Attention: Mr. Paul Grafz Date Sampled: 9-21-93
AEGIS Environmental Date Received: 9-24-93
1050 Melody Ln.. Suite 160 BTEX Analyzed: 10-2-93
Project #: 93-031 Matrix: "301F"

	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPHg
	PPM	PPM	PPM	PPM	PPM
Reporting Limit:	0.35	0.35	0.35	0.35	100

SAMPLE
Laboratory Identification:

SB3-16	ND	0.57	0.58	3.8	860
SO993305					

ppm = Parts per million = mg/kg = milligram per Kilogram
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 3030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

John
Laboratory Representative

10-04-93
Date Reported

OCT-13-93 WED : 36 ENV'T MGMT DEP

P.06

OCT-12-1993 13:36 FROM

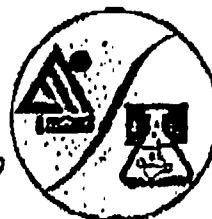
TO

15423364

P.C.

P.06

Excelchem
Environmental Labs
 4944 West Avenue, #38
 North Highlands, CA 95660
 (916)334-8661

ANALYSIS REPORT

Attention: Mr. Paul Graff Date Sampled: 9-21-93
 AEGIS Environmental Date Received: 9-24-93
 RodeoVille, CA 95818-150 BTEX Analyzed: 9-30-93
 Project #: 93-031 Matrix: Soil

	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPHg
PPM	PPM	PPM	PPM	PPM	
Reporting Limit: 0.005	0.005	0.005	0.005	0.005	1.0

SAMPLE
Laboratory Identification:

SB1-16 S0993298	ND	ND	ND	ND	ND
SB2-16 S0993302	ND	0.008	ND	0.024	1.3
SB3-11 S0993304	ND	ND	ND	0.007	1.6

PPM = Parts per million = mg/Kg = milligram per Kilogram
 ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).

TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8019, which utilizes a GC equipped with an FID.


 Laboratory Representative

10-04-93
 Date Reported

OCT-13-93 WED S .4 ENVT MGMT DEPT

P. 01

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
FACSIMILE COVER SHEET
FAX # (916) 542-3364

DATE: 10/13/93

TO: Air Pollution FROM: Ginger

ATTN: Dennis DEPT: _____

FAX#: _____ PHONE: _____

If there are any problems in receiving this FAX, please call
(916) 573-3450.

Message:

PAGE 1 OF 5

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: October 13, 1993

TO: Russ Crawford
Tahoe Ashpalt, Inc.

FROM: Virginia Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Rotten Robbie, 2601 Lake Tahoe Blvd.

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during soil borings done at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 7 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS
Solid Waste & Hazardous Materials

DATE 10/13/93

APPROVAL Air Pollution Control District

DATE _____

OCT-13-93 WED 8 4 ENV T MGMT DEPT

P. 03

OCT-13-1993 13:38 FROM

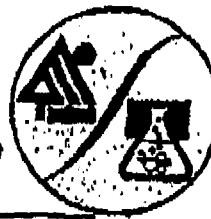
TO

15423364

P.05

P. 82

Excelchem
Environmental Labs
4946 Watt Avenue, #38
North Highlands, CA 95660
(916)334-8661



ANALYSIS REPORT

Attention: Mr. Paul Graff Date Sampled : 9-23-93
AEGIS Environmental Date Received: 9-24-93
1050 Melody Ln., Suite 160 BTEX Analyzed: 10-6-93
Roseville, CA. 95678 TPnG Analyzed: 10-6-93
Project #: 93-031 Matrix: Soil

	Benzene PPM	Toluene PPM	Ethyl- benzene PPM	Total Xylenes PPM	TPnG PPM
Reporting Limit:	0.005	0.005	0.005	0.005	1.0

SAMPLE

Laboratory Identification:

SB10-16 S0993333	ND	ND	ND	ND	ND
SB11-21 S0993337	ND	ND	ND	ND	ND

PPM = Parts per million = mg/Kg = milligram per kilogram

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylenes fractions (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).

TPnG--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

[Signature]
Laboratory Representative

10-12-93
Date Reported

OCT-13-93 WED 8 5 ENVT MGMT DEPT

P. 04

OCT-12-1993 13:37 FROM

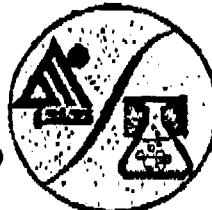
TO

15423364

P.04

P.07

Excelchem
Environmental Labs
 4946 Watt Avenue, #38
 North Highlands, CA 95660
 (916)334-3661

ANALYSIS REPORT

Attention: Mr. Paul Graff Date Sampled : 9-21-93
 AEGIS Environmental Date Received: 9-24-93
 1050 Melody Ln., Suite 160 BTEX Analyzed: 10-1-93
 Roseville, CA. 95678 TPMg Analyzed: 10-1-93
 Project #: 93-031 Matrix: Soil

	Benzene PPM	Toluene PPM	Ethyl- benzene PPM	Total Xylenes PPM	TPMg PPM
Reporting Limit: 0.005	0.005	0.005	0.005	0.005	1.0

SAMPLE
Laboratory Identification:

SB6-11 S0993314	ND	ND	ND	ND	ND
SB6-16 S0993315	ND	ND	ND	ND	ND

ppm = Parts per million = mg/Kg = milligram per Kilogram
 ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX--Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
 TPMg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

J. J. Dase
Laboratory Representative

10-04-93
Date Reported

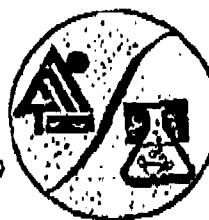
OCT-13-93 WED S S ENVT MGMT DEPT
OCT-12-1993 13:37 FROM

15425564

P.05

P.05

Excelchem
Environmental Labs
4946 West Avenue, #38
North Highlands, CA 95660
(916)334-8661



ANALYSIS REPORT

Attention: Mr. Paul Graff
AEGIS Environmental
1050 Melody Ln., Suite 160
Roseville, CA. 95678

Project #: 93-031

Date Sampled : 9-21-93
Date Received: 9-24-93
BTEX Analyzed: 10-2-93
TPHg Analyzed: 10-2-93
Matrix: Soil

Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPHg
PPM	PPM	PPM	PPM	PPM
Reporting Limit: 0.35	0.35	0.35	0.35	100

SAMPLE
Laboratory Identification:

SB3-16	ND	0.57	0.68	3.8	860
50991305					

ppm = Parts per million = mg/Kg = milligram per Kilogram.
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 8030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

10-04-93

Date Reported

OCT-13-93 WED 8 6 ENVT MGMT DEPT

P. 06

OCT-12-1993 13:36 FROM

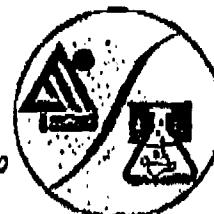
TO

15423364

P.02

P.06

Excelchem
Environmental Labs
 4946 Watt Avenue, #38
 North Highlands, CA 95660
 (916)334-8661

**ANALYSIS REPORT**

Attention: Mr. Paul Graff Date Sampled : 9-21-93
 AEGIS Environmental Date Received: 9-24-93
 1050 Melody Ln., Suite 160 BTEX Analyzed: 9-30-93
 Roseville, CA. 95678 TPHg Analyzed: 9-30-93
 Project #: 93-031 Matrix: Soil

	Benzene PPM	Toluene PPM	Ethyl- benzene PPM	Xylenes PPM	Total TPHg PPM
Reporting Limit:	0.005	0.005	0.005	0.005	1.0

SAMPLE**Laboratory Identification:**

SB1-16 S0993298	ND	ND	ND	ND	ND
SB2-16 S0993302	ND	0.008	ND	0.024	1.3
SB3-11 S0993304	ND	ND	ND	0.007	1.6

ppm = Parts per million = mg/Kg = milligram per Kilogram
 ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
 TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

[Signature]
 Laboratory Representative

10-04-93
 Date Reported

DORADO CO ENV HLTH

TEL:1-916-642-1531

Sep 22 93

7:48

Transmit Confirmation Report

No. : 003
Receiver : 15423364
Transmitter : EL DORADO CO ENV HLTH
Date : Sep 22 93 7:48
Time : 02'31
Mode : Norm
Pages : 04
Result : OK

DORADO CO ENV HLTH

TEL:1-916-642-1531

Sep 22 93

7:45

Transmit Confirmation Report

No. : 002
Receiver : 15411647
Transmitter : EL DORADO CO ENV HLTH
Date : Sep 22 93 7:45
Time : 02'19
Mode : Norm
Pages : 04
Result : OK

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: Sept. 32, 1993
To: Tahoe Asphalt
Attn: _____
Fax#: 541-1647
From: Mike Guggetta

If there are problemss receiving this FAX,
please call Peggy Hogan (916) 621-6662.

PAGE 1 OF 4
(INCLUDES FAX PAGE)

Thank You!!

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT
AIR POLLUTION CONTROL DISTRICT
2850 FAIRLANE COURT, PLACERVILLE, CA 95667
Phone: (916) 621-6662
FAX# (916) 642-1531

AIR POLLUTION CONTROL DISTRICT

Date: Sept 22, 1993
To: Em SLT
Attn: Ginger
Fax#: _____
From: Mike Georgette / Peggy Hogan

If there are problems receiving this FAX,
please call Peggy Hogan (916) 621-6662.

Dated copy to Tahoe
Asphalt also!

PAGE 1 OF 4
(INCLUDES FAX PAGE)

Thank You!!

SEP-28-93 MON 14: 5 ENVT MGMT DEPT

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: September 20, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Lester Bush/Mickey's Machine Shop

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken during the removal of contaminated soil at the above subject site. The concentrations indicated do not pose any threat to the public health and safety and do not cause the soil to be considered a hazardous waste.

Therefore, the approximately 10 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber/REHS DATE 9/20/93
Solid Waste & Hazardous Materials

APPROVAL Dennis Gau DATE 9-30-93
Air Pollution Control District



Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21
Sparks, Nevada 89431
(702) 355-1044
FAX: 702-355-0406
1-800-283-1183

Boise, Idaho
(208) 336-4745

2810 W. Charleston, Suite 167
Las Vegas, Nevada 89112
(702) 386-6747

ANALYTICAL REPORT

Lester A. Bush
1113 Emerald Bay Rd
So. Lake Tahoe, CA 96150

Job#:
Phone: (916) 542-5665
Attn: Lester Bush

Sampled: 09/30/92 Received: 10/01/92 Analyzed: 10/12-13/92

Matrix: [X] Soil [] Water [] Waste

Analysis Requested: TPH - Total Petroleum Hydrocarbons
BTXE - Benzene, Toluene, Xylenes, Ethylbenzene

Methodology: TPH - Modified 8015/DHS LUFT Manual
 BTXE - EPA Method 624/8240

TPH/BTXE Results:

Client ID/ Lab ID	Parameter	Concentration	Detection Limit
Soil #1 /LBU100192-01	TPH (Diesel) *	1,800	100 mg/Kg
	Benzene	55	40 ug/Kg
	Toluene	680	40 ug/Kg
	Total Xylenes	500	40 ug/Kg
	Ethylbenzene	100	40 ug/Kg
Soil #2 /LBU100192-02	TPH (Diesel) *	12,000	500 mg/Kg
	Benzene	ND	40 ug/Kg
	Toluene	510	40 ug/Kg
	Total Xylenes	420	40 ug/Kg
	Ethylbenzene	79	40 ug/Kg

ND - Not Detected

* - TPH components are in the range of motor oil.

Note: TPH components outside the range of diesel have varying recoveries.

Approved By:

Roger L. Scholl, Ph.D.
Laboratory Director

Roger L. Scholl Date: 10/13/92



1810 S STREET, SACRAMENTO, CALIFORNIA 95814 • 916-447-2946 • FAX 916-447-8321

September 10, 1993

Ambmed
 1113 Emerald Bay Road
 South Lake Tahoe, CA 96150
 Attn: Lester Bush

Anlab I.D. AC20613

SAMPLE DESCRIPTION: 2184 RUTH STREET (8', 14', 23', 32 1/2') E. OF CORNER COMPOSITE
 Client Code: A Matrix: S
 Sample collection date: 08/26/93 Time: 10:45
 Lab submittal date: 08/27/93 Time: 13:37
 Turn-Around-Time: REG Sample Disposal: LAB

TEST PARAMETER		UNITS	TEST RESULT	DETECTION LIMIT
Cadmium	EPA 6010	mg/kg	1.1	0.5
Chromium	EPA 6010	mg/kg	5.3	0.5
Copper	EPA 6010	mg/kg	12	1.0
Lead	EPA 6010	mg/kg	53	5.0
Nickel	EPA 6010	mg/kg	ND	1.0
Silver	EPA 6010	mg/kg	ND	0.5
Zinc	EPA 6010	mg/kg	80	0.25

ND = Not Detected

Report Approved By: Marilyn Fox

:lmr

9/17/93,
 TLC results
 not a HAZ waste! - MB

**EL DORADO COUNTY
ENVIRONMENTAL MANAGEMENT DEPARTMENT
INTERDEPARTMENTAL CORRESPONDENCE**

DATE: September 29, 1993
TO: Dennis
FROM: Dave
SUBJECT: Use of Contaminated Soil from Lester Bush at Tahoe Asphalt

As you know, Mr. Lester Bush has 10 yards of soil that he would like to send to Tahoe Asphalt for incorporation into the manufacturing process. The TPH Diesel levels for the two samples taken are 1,800 ppm and 12,000 ppm. As recommended in the 7/28/93 Tahoe Asphalt inspection report, the district may want to consider developing limits for the use of contaminated soil. Currently no District limits on organic compound content exist although we do have a limit of 10% for the amount of contaminated soil allowed per batch.

During a recent telephone conversation, Russ Crawford of Tahoe Asphalt explained that the first step of the manufacturing process is to screen and blend the soil. This results in an initial ten fold reduction of there concentration of contaminants. That soil mixture is then processed into asphalt.

Mr. Crawford also mentioned a study done recently for Tahoe Auto Recyclers, in which a batch of asphalt was made using 60% of highly contaminated soil. Stack source tests done at this time by Porter Geotechnical indicated that the quantity of VOC's produced were below ambient levels. This data does not appear to be in our file. I have contacted Janet McDougal of the City of SLT and Attorney Gene Rasmussen to obtain copies of both the soils analysis and the source test data.

Mike mentioned that you wanted to consider aerating this soil prior to allowing it to be used for making asphalt. Attached is the first page of a summary of the aeration rules from other Districts. As you can see, other Districts require the use of control devices capable of achieving a 90% reduction when aerating any quantity of soil containing >5,000 ppm of organic compounds.

Our options are:

1. Require the 10 yards of soil to be aerated,
 2. Require the 10 yards of soil to be aerated with a control device in place,
 3. Allow the soil to be processed into asphalt,
- or 4. Have the soil hauled off to an alternate disposal site.

The net amount of contaminants released to the air will almost certainly be greater if the soil is aerated than if the soil is fed into the manufacturing process. Hopefully, the data from Tahoe Auto Wreckers will bear this out.

AERATION OF CONTAMINATED SOIL

A COMPARISON OF RULES FROM OTHER CALIFORNIA APCD's/AQMD's

SISKIYOU COUNTY

Contaminated soil: Defined as soil which contains more than 50 ppm by weight of volatile organic compounds.

Two tiers of aeration

1. Uncontrolled Aeration: the amount of soil which can be aerated without employing any control measures is based upon the level of organic compound and the amount of soil to be aerated.

<u>ORGANIC CONTENT</u>	<u>RATE OF UNCONTROLLED AERATION</u>
< 50 ppm	No Limit
50-100 ppm	600 yards/day
4000-5000	8 yards/day
> 5000	0.1

As you can see as the concentration increases the amount of soil decreases to the point where you are only allowed to aerate a very small amount of soil at one time. In order to speed up the process, large amounts of significantly contaminated soil can be aerated using control measures:

2. Controlled Aeration: Large amounts of significantly contaminated soil can be aerated provided that a control technology which achieves a 90% reduction in emissions is employed.

LASSEN COUNTY

Aside from minor administrative differences in permitting and inspections, the rule is essentially the same as Siskiyou's. Contaminated soil is again considered to be that which contains > 50 ppm organic compounds. The same table is used for uncontrolled aeration and controlled aeration must also demonstrate a 90% reduction.

TEHAMA COUNTY

SAA

SOUTH COAST AQMD

Contaminated soil is the same as in the other counties. There is no such thing as uncontrolled aeration. All soil with > 50 ppm must be aerated with not just a 90% reduction but with the infamous BACT.

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: September 29, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Oasis Aviation
South Lake Tahoe Airport

*Forward to Tahoe Hwy 11
and 6:15 PM 9/30/93*

The El Dorado County Environmental Management Department has soil removed from the above subject site. The concentrations indicated do not pose any threat to the public health and safety and do not cause the soil to be considered a hazardous waste.

Therefore, the approximately 30 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 9/29/93
Solid Waste & Hazardous Materials

APPROVAL Dennis Hart DATE 9-30-93
Air Pollution Control District

SEP-29-93 WED 15.4 ENVT MGMT DEPT

P. 10

09/24/93 09:27 9165446366

LAKE TAHOE AIRPORT

PAGE 03



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482.

(707) 468-0401

CHEMICAL EXAMINATION REPORT

Oasis Aviation, Inc.
5777 W. Century Blvd.
Suite 1205
Los Angeles, CA 90045
Attn: Mindy

Date Printed
9/15/93

Page
2

Batch Number	Receipt Date	Client	Client P.O.	Send Via
93-0903-007	09/02/93 16:32	OASAVI		Mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	MDL	DILUTION
(continued from previous page)							

Sample 3 Oasis Aviation - 3-0 Aeration Pile

Sample Type: Soil Sampled by: Brad Vidro Sampled: 9/01/93 14:00

BTEX-These detection limits are 10 times higher
than usual due to matrix interferences.

TPH Gasoline W/BTEX

TPH - Gasoline	GCFID/S030	9/07	9/07/93	280	ug/g	1
Benzene	EPA 8020	9/07	9/07/93	ND	ug/g	.05
Toluene	EPA 8020	9/07	9/07/93	ND	ug/g	.05
Ethylbenzene	EPA 8020	9/07	9/07/93	ND	ug/g	.05
Xylenes	EPA 8020	9/07	9/07/93	ND	ug/g	.05
TPH - Diesel	8015/MCD	9/09	9/09/93	2400	ug/g	1

MDL - Minimum Detection Limit ND - None Detected

* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 9/15/93

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

*faxed to Tahoe Asphalt
and GHS 9/30/93*

DATE: September 29, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
Unocal Station #5170
2467 Lake Tahoe Blvd. South Lake Tahoe

The El Dorado County Environmental Management Department has reviewed the results of composite sampling of soil generated during the underground storage tank removal project at the above referenced site. The concentrations indicated do not pose any threat to the public health and safety and do not cause the soil to be considered a hazardous waste.

Therefore, the approximately 150 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL

Virginia Huber, REHS DATE 9/29/93

Solid Waste & Hazardous Materials

APPROVAL

Donna Oan DATE 9-30-93

Air Pollution Control District

MATRIX ENVIRONMENTAL LABORATORIES**ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER**

CLIENT: Resna
 CONTACT: R. Alden
 COC No: 4037
 Project No: 31041-4
 Sample ID: 8-0721-1A,B,C,D
 Lab ID: 932640-43

Date Sampled: 7/21/93
 Date Received: 7/22/93
 Date Extracted: 7/27/93
 Date of Analysis: 7/28/93
 Matrix: SOIL

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
----------	------------------	--------------------------

RESNA, SACRAMENTO

TEL: 916-852-6688

Sep 29 '93 14:48 No.022 P.35

MATRIX ENVIRONMENTAL LABORATORIES**ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER**

CLIENT: Resna
 CONTACT: R. Alden
 COC No: 4155
 Project No: 31041-4 Unocal 5170
 Sample ID: 8-0924-3A,B,C,D.
 Lab ID: 93-3894 through 93-3897

Date Sampled: 9/24/93
 Date Received: 9/24/93
 Date Extracted: 9/26/93
 Date of Analysis: 9/27/93
 Matrix: SOIL

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
----------	------------------	--------------------------

OIL & GREASE

960.

50

SEP-29-93 WED 15: ENVT MGMT DEPT

P. 04

RESNA, SACRAMENTO

TEL:916-852-6688

Sep 29'93 14:42 No.022 P.25

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: Resna
CONTACT: R. Alden
COC No: 4037
Project No: 31041-4
Sample ID: 6-0721-7A,B,C,D
Lab ID: 932644-47

Date Sampled: 7/21/93
Date Received: 7/22/93
Date Extracted: 7/27/93
Date of Analysis: 7/28/93
Matrix: SOIL

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	1,700.	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

RESNA, SACRAMENTO

TEL:916-852-6688

Sep 29'93 14:42 No.022 P.26

MATRIX ENVIRONMENTAL LABORATORIES**ANALYSIS: Metals, Total, EPA Methods 6010/7000**

CLIENT: Resna
CONTACT: R. Alden
COC No: 4037
Project No: #31041-4 UNOCAL 5170
Sample ID: S-0721-1A,B,C,D
Lab ID: 932640-43

Date Sampled: 7/21/93
Date Received: 7/22/93
Date Extracted: N/A
Date of Analysis: 8/5/93
Matrix: SOIL

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT	Method
		mg/Kg (ppm)	
ARSENIC	4.2	.5	7060
BARIUM	46.	5.	6010
CADMIUM	ND	.5	6010
COBALT	ND	5.	6010
CHROMIUM Total	ND	5.	6010
COPPER	ND	5.	6010
MERCURY	ND	.05	7471
NICKEL	ND	5.	6010
LEAD	18.	5.	6010
ZINC	68.	5.	6010

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

ANALYSIS WAS PERFORMED BY CALIFORNIA LABORATORY SERVICES.

MATRIX ENVIRONMENTAL LABORATORIES**ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP**

CLIENT: Resna
 CONTACT: R. Alden
 COC No: 4037
 Project No: #31041-4 UNOCAL 5170
 Sample ID: S-0721-7A,B,C,D
 Lab ID: 932644-932647

Date Sampled: 7/21/93
 Date Received: 7/22/93
 Date Extracted: 7/23/93
 Date of Analysis: 7/26/93
 Matrix: SOIL

COMPOUND	REPORTING LIMIT	
	mg/kg (ppm)	mg/kg (ppm)
GASOLINE	ND	1.
SURROGATE RECOVERY	91.56	70% TO 130%

MATRIX ENVIRONMENTAL LABORATORIES**ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP**

CLIENT: Resna
 CONTACT: R. Alden
 COC No: 4037
 Project No: #31041-4 UNOCAL 5170
 Sample ID: S-0721-1A,B,C,D
 Lab ID: 932640-932643

Date Sampled: 7/21/93
 Date Received: 7/22/93
 Date Extracted: 7/23/93
 Date of Analysis: 7/26/93
 Matrix: SOIL

COMPOUND	REPORTING LIMIT	
	mg/kg (ppm)	mg/kg (ppm)
GASOLINE	ND	1.
SURROGATE RECOVERY	86.37	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS,

SEP-29-93 WED 15: ENVT MGMT DEPT

P-07

ESNA, SACRAMENTO

TEL: 916-852-6688

Sep 29'93 14:33 No.022 P.08

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 8020

CLIENT: Reesa
CONTACT: R. Alden
COC No: 4037
Project No: 431041-4 UNOCAL 5170
Sample ID: 8-0721-1A,B,C,D
Lab ID: 932640-932643

Date Sampled: 7/21/93
Date Received: 7/22/93
Date Extracted: 7/23/93
Date of Analysis: 7/26/93
Matrix: SOIL

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	0.16	0.015

SURROGATE RECOVERY	ACCEPTABLE RANGE
86.64	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

SEP-29-93 WED 15: : ENVT MGMT DEPT

P. 08

RESNA, SACRAMENTO

TEL:916-852-6688

Sep 29 '93 14:33 No.022 P.09

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 8020

CLIENT: Resna
CONTACT: R. Alder
COC No: 4037
Project No: #31041-4 UNOCAL 5170
Sample ID: 8-0721-7A,B,C,D
Lab ID: 932644-932647

Date Sampled: 7/21/93
Date Received: 7/22/93
Date Extracted: 7/23/93
Date of Analysis: 7/26/93
Matrix: SOIL

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015
SURROGATE RECOVERY		ACCEPTABLE RANGE
	91.56	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: September 16, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
South Tahoe Refuse Company

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during the removal of underground storage tanks at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 40 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 9/16/93
Solid Waste & Hazardous Materials

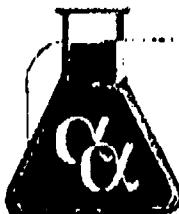
APPROVAL Michael J. Bezzett DATE 9/22/93
Air Pollution Control District

SEP 15 '93 09:21 AM

ALPHA ANALYTICAL

702 7885560

Page 1

**Alpha Analytical, Inc.**

258 Glendale Avenue, Suite 21
 Sparks, Nevada 89431
 (702) 355-4044
 FAX: 702-355-0106
 1-800-283-1189

EL DORADO COUNTY
 RECEIVED

SEP 15 1993

2810 W. Charleston, Suite C6
 Las Vegas, Nevada 89117
 (702) 896-1311

DEPARTMENT OF ENVIRONMENTAL
 HEALTH

ANALYTICAL REPORT

So. TAHOE REEFERS Co.
 Sierra At Tahoe
 P.O. Box 2511
 South Lake Tahoe CA 96158

Job#:
 Phone: (916) 544-2281
 Attn: Frank Whittington

Sampled: 09/10/93 Received: 09/10/93 Analyzed: 09/10-13/93

Matrix: [X] Soil [] Water [] Waste

Analysis Requested: TPH - Total Petroleum Hydrocarbons-Purgeable
 Quantitated as Gasoline
 TPH - Total Petroleum Hydrocarbons-Extractable
 Quantitated as Diesel
 BTXE - Benzene, Toluene, Xylenes, Ethylbenzene

Methodology:
 TPH (Gas) - Modified 8015/DHS LUFT Manual
 TPH (Diesel) - Modified 8015/DHS LUFT Manual
 BTXE - Method 624/8240

Results:

Client ID/ Lab ID	Parameter	Concentration	Detection Limit
#1 /WHT091093-01	TPH (Diesel)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg
#2 /WHT091093-02	TPH (Diesel)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg
#3 /WHT091093-03	TPH (Gas)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg


Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21

Sparks, Nevada 89431

(702) 355-1011

FAX: (702) 355-9106

1-800 283-1186

House Blank
(702) 356-11451840 W. Charleston, Suite C-101
Las Vegas, Nevada 89110
(702) 356-6117

continued:

Client ID/ Lab ID	Parameter	Concentration	Detection Limit
#4 /WHT091093-04	TPH (Gas)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg
#5 Soil Stockpile /WHT091093-05	TPH (Gas)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg
#6 Disp. Area /WHT091093-06	TPH (Gas)	15	10 mg/Kg
	Benzene	29	20 ug/Kg
	Toluene	42	20 ug/Kg
	Total Xylenes	29	20 ug/Kg
	Ethylbenzene	ND	20 ug/Kg

ND - Not Detected

Approved by:

Walter Hinchman

Date: 9/15/93

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: September 16, 1993

TO: Russ Crawford
Tahoe Asphalt, Inc.

FROM: Virginia L. Huber, REHS
Tahoe Division Manager

SUBJECT: Use of Contaminated Soil with Asphalt Mix
South Tahoe Refuse Company

The El Dorado County Environmental Management Department has reviewed the results of a composite sample taken from soil generated during the removal of underground storage tanks at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 40 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL Virginia Huber, REHS DATE 9/16/93
Solid Waste & Hazardous Materials

APPROVAL Michael J. Bezzettu DATE 9/22/93
Air Pollution Control District

SEP 15 '93 09:21 AM ALPHA ANALYTICAL

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EL DOB, DO COUNTY
11217**Alpha Analytical, Inc.**

258 Glendale Avenue, Suite 21
Sparks, Nevada 89431
(702) 355-1044
FAX: (702) 355-0196
1-800-283-1182

SEP 15 1993

2810 W. Charleston, Suite 360
Las Vegas, Nevada 89102
(702) 387-6141

1-800-283-1182
FAX: (702) 355-0196
1-800-283-1182

ANALYTICAL REPORT

So. TAHOE REFINERY CO.
Sierra At Tahoe
P.O. Box 2511
South Lake Tahoe CA 96158

Job#:
Phone: (916) 544-2281
Attn: Frank Whittington

Sampled: 09/10/93 Received: 09/10/93 Analyzed: 09/10-13/93

Matrix: [X] Soil [] Water [] Waste

Analysis Requested: TPH - Total Petroleum Hydrocarbons-Purgeable
Quantitated as Gasoline
TPH - Total Petroleum Hydrocarbons-Extractable
Quantitated as Diesel
BTXE - Benzene, Toluene, Xylenes, Ethylbenzene

Methodology:
TPH (Gas) - Modified 8015/DHS LUFT Manual
TPH (Diesel) - Modified 8015/DHS LUFT Manual
BTXE - Method 624/8240

Results:

Client ID/ Lab ID	Parameter	Concentration	Detection Limit
#1 /WHT091093-01	TPH (Diesel)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg
#2 /WHT091093-02	TPH (Diesel)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg
#3 /WHT091093-03	TPH (Gas)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg

SEP 15 '93 • 08:21 AM

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Page 2

**Alpha Analytical, Inc.**

235 Glendale Avenue, Suite 21
 Sparks, Nevada 89431
 (702) 355-1611
 FAX: (702) 355-0406
 1-800-283-1183

Brian Klein
 (702) 355-1611

1810 W. Cheyenne, Suite C-17
 Las Vegas, Nevada 89130
 (702) 355-0406

continued:

Client ID/ Lab ID	Parameter	Concentration	Detection Limit
#4 /WHT091093-04	TPH (Gas)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg
#5 Soil Stockpile /WHT091093-05	TPH (Gas)	ND	1 mg/Kg
	Benzene	ND	1 ug/Kg
	Toluene	ND	1 ug/Kg
	Total Xylenes	ND	1 ug/Kg
	Ethylbenzene	ND	1 ug/Kg
#6 Disp. Area /WHT091093-06	TPH (Gas)	15	10 mg/Kg
	Benzene	29	20 ug/Kg
	Toluene	42	20 ug/Kg
	Total Xylenes	29	20 ug/Kg
	Ethylbenzene	ND	20 ug/Kg

ND - Not Detected

Approved by:

Walter Hinchman
 Walter Hinchman

Date: 9/15/93

MEMORANDUM

TO: File--Tahoe Asphalt
FROM: Mike Guzzetta *MG*
DATE: August 25, 1993
SUBJECT: 93/94 Permit to Operate--New Conditions

Regarding Condition 6 and the process limit of 130,000 tons/yr, emission estimates have been calculated using AP-42 and are as follows:

PRODUCTION RATE : 144 TONS ASPHALT / HR MAXIMUM
 OPERATING SCH : 6 HRS/DAY ; 5 DAYS/WK ; 30 WKS/YR

$$\text{MAX. PRODUCTION} : \left(\frac{6 \text{ HRS}}{\text{DAY}} \right) \left(\frac{5 \text{ DAYS}}{\text{WEEK}} \right) \left(\frac{30 \text{ WEEKS}}{\text{YR}} \right) \left(\frac{144 \text{ TONS}}{\text{HR}} \right) = \frac{129,600 \text{ TONS}}{\text{YR}} .: \frac{130,000 \text{ TONS}}{\text{YR}}$$

EMISSION ESTIMATES:

EMISSION FACTORS REF. AP42 TABLE 8.1-1

PARTICULATE MATTER: (0.274 LB/TON)

$$\left(\frac{130,000 \text{ TON}}{\text{YR}} \right) \left(\frac{0.274 \text{ LB}}{\text{TON}} \right) \left(\frac{1 \text{ TON}}{2000 \text{ LB}} \right) = \frac{17.8 \text{ TON PM}}{\text{YR}} \text{ UNCONTROLLED}$$

WITH BAGHOUSE : (0.02 LB/TON) REF AP42 TABLE 8.1-3

$$\left(\frac{130,000 \text{ TON}}{\text{YR}} \right) \left(\frac{0.02 \text{ LB}}{\text{TON}} \right) \left(\frac{1 \text{ TON}}{2000 \text{ LB}} \right) = \frac{1.3 \text{ TON PM}}{\text{YR}} \text{ CONTROLLED}$$

* NOX : (0.36 LB/TON)

$$\left(\frac{130,000 \text{ TON}}{\text{YR}} \right) \left(\frac{0.036 \text{ LB}}{\text{TON}} \right) \left(\frac{1 \text{ TON}}{2000 \text{ LB}} \right) = \frac{2.34 \text{ TON NOX}}{\text{YR}}$$

* VOC : (0.028 LB/TON)

$$\left(\frac{130,000 \text{ TON}}{\text{YR}} \right) \left(\frac{0.028 \text{ LB}}{\text{TON}} \right) \left(\frac{1 \text{ TON}}{2000 \text{ LB}} \right) = \frac{1.82 \text{ TON VOC}}{\text{YR}}$$

* CO : (0.038 LB/TON)

$$\left(\frac{130,000 \text{ TON}}{\text{YR}} \right) \left(\frac{0.038 \text{ LB}}{\text{TON}} \right) \left(\frac{1 \text{ TON}}{2000 \text{ LB}} \right) = \frac{2.47 \text{ TON CO}}{\text{YR}}$$

* SOx:

N/A -- HEATED DRYER IS NATURAL GAS FIRED.

* AP42 TABLE 8.1-1 NOTES EMISSION FACTORS FOR A CONVENTIONAL ASPHALT BATCH PLANT UTILIZING A FUEL OIL FIRED DRYER -- TAHOE ASPHALT USES A NATURAL GAS FIRED DRYER THEREFORE, THE EMISSION ESTIMATES FOR THESE POLLUTANTS ARE QUESTIONABLE -- VOC EMISSIONS ARE PROBABLY N/A. PARTICULATE MATTER EMISSIONS SHOULD BE RELATIVELY ACCURATE.

Conditions 7 and 10 are based on numbers provided by Mr. Russ Crawford (Plant Manager) and are intended to provide some limit on the use of petroleum contaminated soil. Condition 9 was taken from a "Letter of Understanding" which was put togather by the District in August of 1991. These new conditions were discussed with Mr. Crawford by telephone on August 25, 1993, and he was in agreement with them.

MEMO

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
SOUTH LAKE TAHOE OFFICE

DATE: August 23, 1993

TO: Russ Crawford
Tahoe Ashpalt, Inc.- M: Virginia Huber, REHS
Tahoe Division ManagerSUBJECT: Use of Contaminated Soil with Asphalt Mix
Unocal Station #5170
2467 Lake Tahoe Blvd. South Lake Tahoe

The El Dorado County Environmental Management Department has reviewed the results of composite samples taken from soil generated during underground storage tank removal project at the above subject site. The concentrations indicated do not pose any threat to the public health and safety.

Therefore, the approximately 250 cubic yards of soil is released for asphalt incorporation at your facility. The material is to be used in accordance with the terms set forth by the Air Pollution Control District.

If you have any questions regarding this matter, please contact this office at 573-3450.

APPROVAL M. Bennett for V. Huber

Solid Waste & Hazardous Materials

DATE 8-23-93

APPROVAL

Michael J. Sogata for Dennis O'Toole

Air Pollution Control District

DATE

8-23-93

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To	Debris Otani	From	m.Bennett
Co.		Co.	
Dept.		Phone #	
Fax #		Fax #	

August 18, 1993

Unocal Service Station No. 5170, South Lake Tahoe, California



Working To Restore Nature

TABLE 2
 Analytical Results of Composite Soil Samples
 from Stockpiled Soil
 Former Unocal Service Station No. 5170
 5467 Lake Tahoe Boulevard
 South Lake Tahoe, California

Sample Number	Date	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylene	Organic Lead
* Gasoline Tank Pit, Dispensers and Product Lines							
S-0721-2A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1
S-0721-3A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1
S-0721-4A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1
S-0721-5A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1
S-0721-6A-D	07/21/93	<1	<0.005	<0.005	<0.005	<0.015	<0.1

Results in parts per million (ppm)

TPHg = Total petroleum hydrocarbons as gasoline

NA = Not analyzed

< = Less than the analytical detection limits



August 18, 1993

Unocal Service Station No. 5170, South Lake Tahoe, California

TABLE 3
 Analytical Results of Soil Samples from the
 Waste-Oil Tank and Fuel-Oil Tank Area
 Former Unocal Service Station No. 5170
 2467 Lake Tahoe Boulevard
 South Lake Tahoe, California

Need lower L.M. +

Sample Number	Date	TPHg	TPHd	TOG	Benzene	Toluene	Ethyl-benzene	Total Xylene
Waste-Oil/Fuel-Oil Tank Area								
#13 S-7-T4S	07/21/93	<1	<1	<100	<0.005	<0.005	<0.005	<0.015
#15 S-15-T4	07/22/93	<1	10	1100	<0.005	<0.005	<0.005	<0.015
#16 S-7-T3	07/22/93	<1	870	NA	<0.005	<0.005	<0.005	<0.015
#14 S-13-T4E	07/22/93	<1	91	2700	<0.005	<0.005	<0.005	<0.015
* Waste-Oil/Fuel-Oil Stockpiled Soil								
S-0721-LA-D	07/21/93	<1	NA	7700	<0.005	<0.005	<0.005	0.16
S-0721-7A-D	07/21/93	<1	NA	1700	<0.005	<0.005	<0.005	<0.015
Sample Number	Date	VOC	Total Cadmium	Total Chromium	Total Lead	Total Nickel	Total Zinc	
Waste-Oil/Fuel-Oil Tank Area								
S-7-T4S	07/21/93	*	0.4	0.4	1.8	3.3	60	
S-15-T4	07/22/93	*	0.4	2.3	1.6	3.2	11	
S-13-T4E	07/22/93	*	0.3	2.1	<0.5	3	11	
S-7-T3	07/22/93	*	NA	NA	NA	NA	NA	
* Waste-Oil/Fuel-Oil Stockpiled Soil								
S-0721-LA-D	07/21/93	**	<0.5	<5	18	<5	68	
S-0721-7A-D	07/21/93	NA	NA	NA	NA	NA	NA	

Results in parts per million (ppm)

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

TOG = Total Oil and Grease

VOC = Volatile Organic Compounds

NA = Not Analyzed

* = All analyte concentrations less than the laboratory detection limits used

** = All analyte concentrations less than the laboratory detection limits used
with the exception of pyrene at 0.35 ppm

< = Less than the analytical detection limits